

Geographic Distribution of AIDS Cases in New York State

Until 1997, data on prison inmates were excluded from regional analyses. In order to help readers who are planning local resources and programs, data on prisoners are now included in data for the county in which the prisoner is housed at the time the AIDS diagnosis was made. As a result, counties housing Department of Correctional Services facilities may show increases in the number of AIDS cases attributed to them.

AIDS case incidence rates vary widely by geographic region (see Figures 10-1 and 10-2; see also explanation of rates on page 101). In New York City, for example, in which more than 80 percent of total New York State AIDS cases have been diagnosed, the cumulative case rate per 100,000 people ranges from 629.7 in Richmond County (Staten Island) to 2,804.4 in New York County

(Manhattan). In the rest of the state, in counties that do not house state prison inmates, case rates are markedly lower, ranging from 26.1/100,000 in Lewis County to 448.6 in Westchester County (excluding Yonkers). In counties in which state prisons are located, AIDS case rates are generally higher and range from 57.9/100,000 in Madison County to 860.3/100,000 in Orleans County. In some upstate New York counties, high AIDS case rates among residents of larger cities are masked by low rates in the rest of the county's population. For example, 93 percent of individuals diagnosed with AIDS in Monroe County are residents of Rochester, which has a high cumulative AIDS case rate of 666.1 cases per 100,000 population. Outside of Rochester, Monroe County has a relatively low AIDS case rate of 23.9/100,000.

Trends by HIV exposure category also vary by geographic region (see Figures 10-5.1 through 10-5.14). For example, in some Ryan White regions, injection drug use has predominated as an HIV exposure category since early in the epidemic, whereas in other regions cases among men who have sex with men (MSM) continue to outnumber cases reported among IDUs. In the Bronx, Brooklyn and Lower and Mid-Hudson, recent cases attributed to heterosexual HIV exposure now exceed those attributed to MSM. Recent AIDS case rates are consistently higher among people of color in all Ryan White regions of New York State (see Figures 10-6.1 through 10-6.3), with Blacks and Hispanics showing the highest rates of all racial/ethnic groups in all regions.

Figure 10-1

AIDS Cases and Rate per 100,000 Population by County and City of Residence and Year of Diagnosis

New York State, Cases Confirmed through March 2000

	1996 Number	1997 Number	1998* Number	1999* Number	1999* Rate [‡]	Cumulative Number	Cumulative Rate [‡]
New York City							
Bronx	2,059	1,824	1,327	995	81.6	23,488	1,927.1
Kings (Brooklyn)	2,485	1,864	1,449	1,108	47.4	29,646	1,267.8
New York (Manhattan)	2,812	2,046	1,201	1,010	67.4	42,030	2,804.4
Queens	1,307	1,011	787	577	28.9	15,991	802.2
Richmond (Staten Island)	203	130	97	66	16.7	2,483	629.7
County Unknown	18	16	6	5	—	177	—
New York City Total	8,884	6,891	4,867	3,761	51.4	113,815	1,554.3
Rest of State [†]							
Albany County (excluding City of Albany)	8	8	6	4	2.1	140	74.1
Albany (City)	60	43	32	32	30.9	700	675.7
Allegany	2	0	0	1	2.0	14	27.7
Broome	19	21	9	4	1.9	205	96.6
Cattaraugus ^P	18	10	7	3	3.6	80	95.0
Cayuga ^P	27	13	11	7	8.5	279	339.0
Chautauqua ^P	8	6	10	4	2.8	97	68.4
Chemung ^P	10	14	5	1	1.1	223	234.3
Chenango ^P	5	2	1	0	—	35	67.6
Clinton ^P	39	26	12	18	20.9	443	515.3
Columbia ^P	7	6	3	3	4.8	123	195.3
Cortland	1	2	3	0	—	16	32.7
Delaware	4	1	0	2	4.2	30	63.5
Dutchess ^P	122	59	43	36	13.9	1,333	513.8
Erie (excluding Buffalo) ^P	37	16	18	17	2.7	395	62.2
Buffalo (City)	138	67	67	47	14.1	1,199	359.0
Essex ^P	12	11	3	4	10.8	181	487.2
Franklin ^P	42	33	11	16	34.4	358	769.2
Fulton ^P	2	2	4	0	—	34	62.7
Genesee	1	1	5	1	1.7	35	58.3
Greene ^P	22	10	9	9	20.1	178	397.9
Hamilton	0	0	0	0	—	2	37.9
Herkimer	1	0	1	1	1.5	23	35.0
Jefferson ^P	34	19	22	10	9.0	272	245.2
Lewis	0	0	0	0	—	7	26.1
Livingston ^P	23	21	5	4	6.4	201	322.3
Madison ^P	2	5	5	2	2.9	40	57.9

* Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

† Includes cities with more than 100,000 residents.

‡ Based on 1990 U.S. Census data. See page 101 for further information

^P Counties in which New York State prisons are located. See page 111 for further information.

Figure 10-1

AIDS Cases and Rate per 100,000 Population by County and City of Residence and Year of Diagnosis

New York State, Cases Confirmed through March 2000

	1996 Number	1997 Number	1998* Number	1999* Number	1999* Rate [‡]	Cumulative Number	Cumulative Rate [‡]
Monroe (excluding Rochester)	5	4	6	3	0.6	114	23.9
Rochester (City) ^P	145	111	59	38	16.1	1,573	666.1
Montgomery	6	6	4	5	9.6	63	121.2
Nassau	238	159	127	99	7.7	3,156	245.2
Niagara	15	14	7	5	2.3	172	77.9
Oneida ^P	109	72	48	32	12.8	891	355.2
Onondaga	15	10	6	6	2.0	172	57.1
(excluding Syracuse)							
Syracuse (City)	74	44	27	25	14.9	704	419.9
Ontario	2	1	7	0	—	43	45.2
Orange ^P	70	63	40	39	12.7	1,043	339.0
Orleans ^P	39	39	15	19	45.4	360	860.3
Oswego	7	6	1	3	2.5	66	54.2
Otsego	6	3	1	3	5.0	54	89.2
Putnam	11	8	6	9	10.7	150	178.7
Rensselaer	24	7	8	2	1.3	196	126.9
Rockland	57	40	44	39	14.7	734	276.5
St. Lawrence ^P	44	33	15	16	14.3	302	269.7
Saratoga ^P	27	22	11	7	3.9	257	141.8
Schenectady	26	23	14	3	2.0	295	197.6
Schoharie ^P	2	0	1	2	6.3	31	97.3
Schuyler ^P	1	0	0	0	—	12	64.3
Seneca ^P	17	13	10	2	5.9	67	198.9
Steuben	6	3	6	1	1.0	59	59.5
Suffolk	261	186	137	110	8.3	3,276	247.8
Sullivan ^P	42	22	16	14	20.2	535	772.3
Tioga	1	1	0	0	—	22	42.0
Tompkins	13	7	7	6	6.4	101	107.3
Ulster ^P	66	41	41	29	17.5	808	488.8
Warren	4	3	5	0	—	46	77.7
Washington ^P	19	13	4	0	—	286	482.0
Wayne ^P	7	11	10	2	2.2	90	101.0
Westchester	249	190	174	107	15.7	3,067	448.6
(excluding Yonkers)							
Yonkers (City)	90	78	74	61	31.9	1,101	575.7
Wyoming ^P	46	17	12	12	28.2	325	764.6
Yates	0	0	0	0	—	9	39.5
County Unknown	0	0	1	3	—	10	—
Rest of State Total	2,388	1,646	1,236	928	8.7	26,833	251.5
New York State Total	11,272	8,537	6,103	4,689	26.1	140,648	781.8

Cumulative AIDS Incidence Rates per 100,000 Population* by County and City of Residence

Incidence Rates in Quartiles

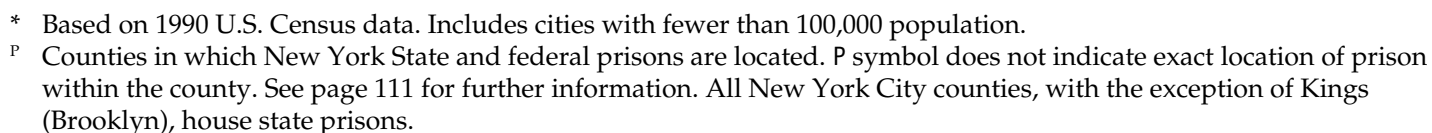


Figure 10-3

AIDS Cases by Ryan White Region* and Year of Diagnosis, Cumulative Cases and Rate per 100,000 Population

New York State, Cases Confirmed through March 2000

	1996	1997	1998†	1999†	Cumulative through 12/31/99	
	Number	Number	Number	Number	Number	Rate/100,000‡
Ryan White Region						
1. Albany	310	217	128	110	3,417	239.86
2. Binghamton	25	24	10	4	262	82.84
3. Buffalo	304	170	141	109	2,677	166.24
4. Lower and Mid-Hudson	707	501	438	334	8,771	432.93
5. Nassau/Suffolk	499	345	264	209	6,432	246.51
6. Rochester	216	178	108	51	2,391	194.39
7. Syracuse	327	211	146	108	2,873	197.92
8. Bronx	2,059	1,824	1,327	995	23,488	1,951.17
9. Brooklyn	2,485	1,864	1,449	1,108	29,646	1,288.58
10. Manhattan	2,812	2,046	1,201	1,010	42,030	2,825.48
11. Queens	1,307	1,011	787	577	15,991	819.38
12. Staten Island	203	130	97	66	2,483	655.18

*Ryan White Regions:

1. Albany: Hamilton, Franklin, Schoharie, Washington, Warren, Fulton, Clinton, Montgomery, Green, Columbia, Essex, Saratoga, Rensselaer, Albany, Schenectady, Delaware and Otsego counties
2. Binghamton: Broome, Tioga and Chenango counties
3. Buffalo: Orleans, Wyoming, Allegany, Genesee, Cattaraugus, Chautauqua, Niagara and Erie counties
4. Lower and Mid-Hudson: Putnam, Rockland, Westchester, Sullivan, Ulster, Dutchess and Orange counties
5. Nassau/Suffolk: Nassau and Suffolk counties
6. Rochester: Yates, Seneca, Schuyler, Ontario, Livingston, Steuben, Wayne, Chemung and Monroe counties
7. Syracuse: Madison, Lewis, Jefferson, Herkimer, St. Lawrence, Cayuga, Oswego, Oneida, Onondaga, Tompkins and Cortland counties

†Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

‡Based on 1990 U.S. Census data.

Figure 10-4a

Adult AIDS Cases Diagnosed in 1998 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and Ryan White Region*

New York State, Cases Confirmed through March 2000

	Albany		Binghamton		Buffalo		Lower and Mid Hudson		Nassau/ Suffolk		Rochester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis												
13-19	0	—	0	—	0	—	5	1.1	0	—	1	0.9
20-24	3	2.3	1	10.0	5	3.5	7	1.6	8	3.0	2	1.9
25-29	16	12.5	1	10.0	17	12.1	25	5.7	19	7.2	8	7.5
30-39	54	42.2	5	50.0	57	40.4	173	39.8	94	35.7	49	45.8
40-49	44	34.4	1	10.0	46	32.6	160	36.8	105	39.9	32	29.9
50-59	11	8.6	2	20.0	12	8.5	47	10.8	29	11.0	10	9.3
>59	0	—	0	—	4	2.8	18	4.1	8	3.0	5	4.7
Gender												
Male	99	77.3	7	70.0	106	75.2	281	64.6	186	70.7	72	67.3
Female	29	22.7	3	30.0	35	24.8	154	35.4	77	29.3	35	32.7
Race/Ethnicity												
White	43	33.6	7	70.0	28	19.9	97	22.3	96	36.5	41	38.3
Black	60	46.9	1	10.0	69	48.9	234	53.8	127	48.3	50	46.7
Hispanic	24	18.8	2	20.0	40	28.4	102	23.4	39	14.8	16	15.0
Asian/Pacific Islander	0	—	0	—	1	0.7	0	—	0	—	0	—
Native American/ Alaskan Native	0	—	0	—	0	—	1	0.2	0	—	0	—
Unknown	1	0.8	0	—	3	2.1	1	0.2	1	0.4	0	—
Exposure Category												
Males												
Men Who Have Sex with Men	21	16.4	2	20.0	41	29.1	49	11.3	60	22.8	24	22.4
Injection Drug Users	29	22.7	1	10.0	37	26.2	146	33.6	59	22.4	10	9.3
Men Who Have Sex with Men and Inject Drugs	1	0.8	1	10.0	3	2.1	14	3.2	18	6.8	1	0.9
Heterosexual Contact	1	0.8	0	—	5	3.5	42	9.7	2	0.8	3	2.8
Blood Products	1	0.8	0	—	0	—	1	0.2	1	0.4	0	—
Undetermined	46	35.9	3	30.0	20	14.2	29	6.7	46	17.5	34	31.8
Females												
Injection Drug Users	7	5.5	3	30.0	15	10.6	68	15.6	24	9.1	13	12.1
Heterosexual Contact	5	3.9	0	—	15	10.6	65	14.9	31	11.8	7	6.5
Blood Products	0	—	0	—	0	—	3	0.7	0	—	0	—
Undetermined	17	13.3	0	—	5	3.5	18	4.1	22	8.4	15	14.0
Total	128	100.0	10	100.0	141	100.0	435	100.0	263	100.0	107	100.0

* Area classified by county of residence at diagnosis. See Figure 10-3 for list of counties in each area.

Figure 10-4a

Adult AIDS Cases Diagnosed in 1998 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and Ryan White Region*

New York State, Cases Confirmed through March 2000

	Syracuse		Bronx		Brooklyn		Manhattan		Queens		Staten Island	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis												
13-19	0	—	7	0.5	7	0.5	7	0.6	4	0.5	0	—
20-24	5	3.4	27	2.0	30	2.1	26	2.2	16	2.0	3	3.1
25-29	17	11.6	96	7.3	100	6.9	69	5.7	68	8.7	1	1.0
30-39	67	45.9	501	37.9	529	36.7	478	39.8	313	39.9	35	36.5
40-49	39	26.7	444	33.6	518	35.9	386	32.1	265	33.8	40	41.7
50-59	17	11.6	194	14.7	196	13.6	173	14.4	92	11.7	12	12.5
>59	1	0.7	54	4.1	62	4.3	62	5.2	27	3.4	5	5.2
Gender												
Male	118	80.8	841	63.6	909	63.0	918	76.4	588	74.9	66	68.8
Female	28	19.2	482	36.4	533	37.0	283	23.6	197	25.1	30	31.3
Race/Ethnicity												
White	48	32.9	62	4.7	109	7.6	286	23.8	126	16.1	30	31.3
Black	66	45.2	589	44.5	967	67.1	535	44.5	339	43.2	41	42.7
Hispanic	32	21.9	668	50.5	355	24.6	366	30.5	304	38.7	25	26.0
Asian/Pacific Islander	0	—	1	0.1	10	0.7	12	1.0	14	1.8	0	—
Native American/ Alaskan Native	0	—	1	0.1	1	0.1	0	—	2	0.3	0	—
Unknown	0	—	2	0.2	0	—	2	0.2	0	—	0	—
Exposure Category												
Males												
Men Who Have Sex with Men	18	12.3	126	9.5	189	13.1	389	32.4	182	23.2	14	14.6
Injection Drug Users	24	16.4	385	29.1	303	21.0	255	21.2	164	20.9	26	27.1
Men Who Have Sex with Men and Inject Drugs	2	1.4	16	1.2	14	1.0	14	1.2	8	1.0	0	—
Heterosexual Contact	2	1.4	87	6.6	84	5.8	55	4.6	39	5.0	6	6.3
Blood Products	3	2.1	5	0.4	7	0.5	5	0.4	6	0.8	1	1.0
Undetermined	69	47.3	222	16.8	312	21.6	200	16.7	189	24.1	19	19.8
Females												
Injection Drug Users	4	2.7	179	13.5	159	11.0	109	9.1	52	6.6	9	9.4
Heterosexual Contact	13	8.9	164	12.4	171	11.9	84	7.0	67	8.5	9	9.4
Blood Products	1	0.7	4	0.3	6	0.4	3	0.2	7	0.9	2	2.1
Undetermined	10	6.8	135	10.2	197	13.7	87	7.2	71	9.0	10	10.4
Total	146	100.0	1,323	100.0	1,442	100.0	1,201	100.0	785	100.0	96	100.0

Figure 10-4b

Adult AIDS Cases Diagnosed in 1999 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and Ryan White Region*

New York State, Cases Confirmed through March 2000

	Albany		Binghamton		Buffalo		Lower and Mid Hudson		Nassau/ Suffolk		Rochester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis												
13-19	0	—	0	—	1	0.9	5	1.5	0	—	0	—
20-24	1	0.9	0	—	2	1.8	4	1.2	4	1.9	2	3.9
25-29	10	9.1	0	—	9	8.3	27	8.1	14	6.7	5	9.8
30-39	43	39.1	0	—	48	44.0	121	36.2	81	38.8	18	35.3
40-49	45	40.9	3	75.0	35	32.1	125	37.4	70	33.5	19	37.3
50-59	9	8.2	1	25.0	12	11.0	42	12.6	30	14.4	7	13.7
>59	2	1.8	0	—	2	1.8	10	3.0	10	4.8	0	—
Gender												
Male	95	86.4	2	50.0	76	69.7	236	70.7	140	67.0	40	78.4
Female	15	13.6	2	50.0	33	30.3	98	29.3	69	33.0	11	21.6
Race/Ethnicity												
White	29	26.4	1	25.0	28	25.7	82	24.6	61	29.2	13	25.5
Black	46	41.8	2	50.0	56	51.4	186	55.7	107	51.2	27	52.9
Hispanic	34	30.9	1	25.0	23	21.1	65	19.5	38	18.2	11	21.6
Asian/Pacific Islander	0	—	0	—	0	—	0	—	1	0.5	0	—
Native American/ Alaskan Native	1	0.9	0	—	1	0.9	0	—	2	1.0	0	—
Unknown	0	—	0	—	1	0.9	1	0.3	0	—	0	—
Exposure Category												
Males												
Men Who Have Sex with Men	16	14.5	0	—	24	22.0	57	17.1	38	18.2	11	21.6
Injection Drug Users	24	21.8	1	25.0	15	13.8	109	32.6	36	17.2	11	21.6
Men Who Have Sex with Men and Inject Drugs	0	—	0	—	5	4.6	6	1.8	12	5.7	2	3.9
Heterosexual Contact	3	2.7	1	25.0	11	10.1	42	12.6	2	1.0	1	2.0
Blood Products	0	—	0	—	2	1.8	2	0.6	0	—	0	—
Undetermined	52	47.3	0	—	19	17.4	20	6.0	52	24.9	15	29.4
Females												
Injection Drug Users	5	4.5	1	25.0	10	9.2	38	11.4	13	6.2	5	9.8
Heterosexual Contact	7	6.4	1	25.0	10	9.2	52	15.6	24	11.5	2	3.9
Undetermined	3	2.7	0	—	13	11.9	8	2.4	32	15.3	4	7.8
Total	110	100.0	4	100.0	109	100.0	334	100.0	209	100.0	51	100.0

* Area classified by county of residence at diagnosis. See Figure 10-3 for list of counties in each area.

Figure 10-4b

Adult AIDS Cases Diagnosed in 1999 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and Ryan White Region*

New York State, Cases Confirmed through March 2000

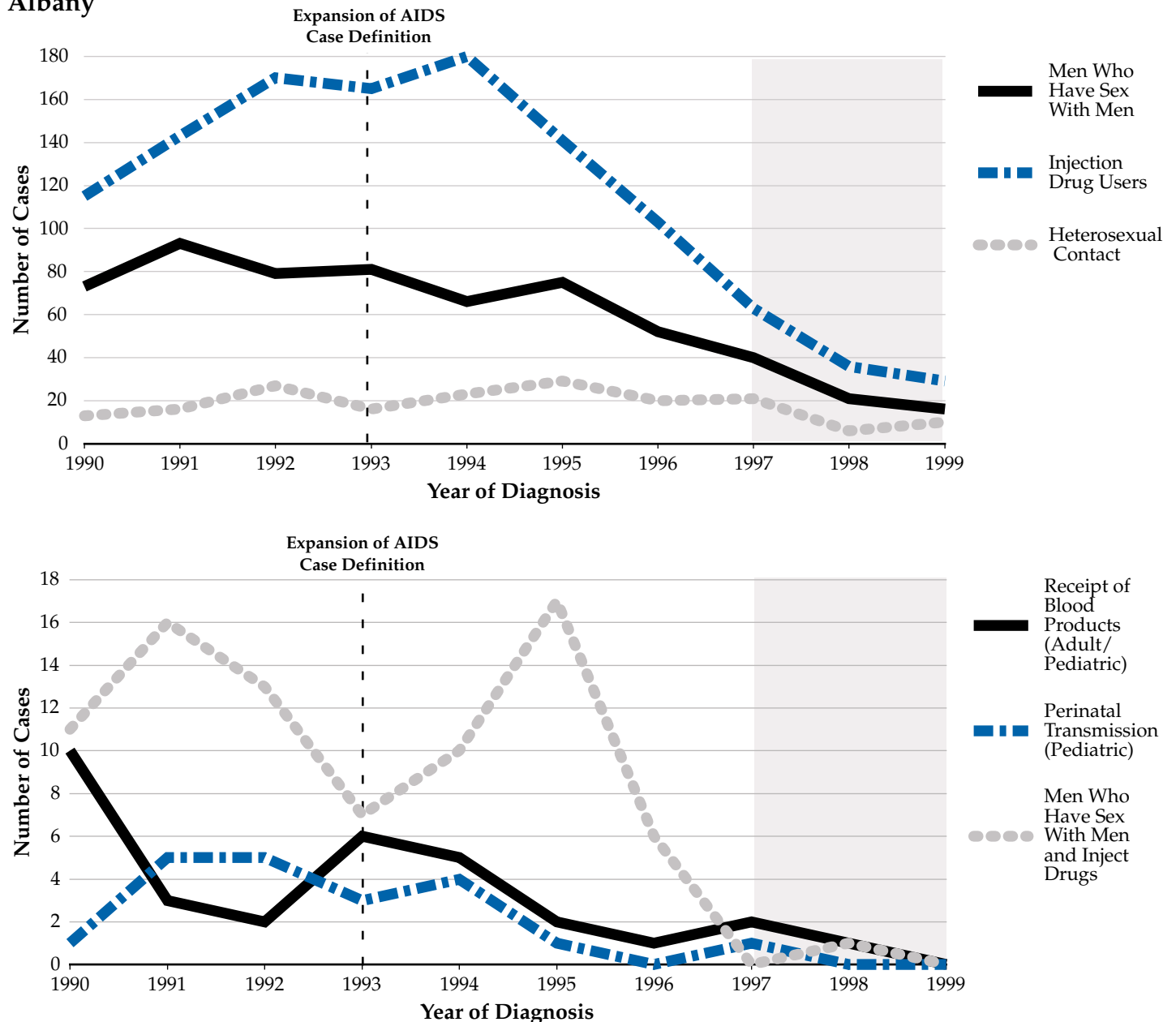
	Syracuse		Bronx		Brooklyn		Manhattan		Queens		Staten Island	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis												
13-19	0	—	8	0.8	13	1.2	4	0.4	2	0.3	0	—
20-24	2	1.9	31	3.1	23	2.1	14	1.4	13	2.3	0	—
25-29	14	13.0	87	8.7	66	6.0	54	5.4	41	7.1	3	4.6
30-39	51	47.2	347	34.9	416	37.6	375	37.2	241	41.8	27	41.5
40-49	33	30.6	334	33.6	368	33.3	383	38.0	203	35.2	26	40.0
50-59	7	6.5	136	13.7	169	15.3	125	12.4	54	9.4	8	12.3
>59	1	0.9	52	5.2	51	4.6	52	5.2	23	4.0	1	1.5
Gender												
Male	92	85.2	613	61.6	715	64.6	806	80.0	421	73.0	40	61.5
Female	16	14.8	382	38.4	391	35.4	201	20.0	156	27.0	25	38.5
Race/Ethnicity												
White	30	27.8	42	4.2	82	7.4	268	26.6	80	13.9	18	27.7
Black	48	44.4	458	46.0	732	66.2	433	43.0	268	46.4	29	44.6
Hispanic	30	27.8	492	49.4	286	25.9	292	29.0	212	36.7	18	27.7
Asian/Pacific Islander	0	—	3	0.3	6	0.5	13	1.3	15	2.6	0	—
Native American/ Alaskan Native	0	—	0	—	0	—	0	—	0	—	0	—
Unknown	0	—	0	—	0	—	1	0.1	2	0.3	0	—
Exposure Category												
Males												
Men Who Have Sex with Men	15	13.9	89	8.9	137	12.4	347	34.5	138	23.9	13	20.0
Injection Drug Users	15	13.9	282	28.3	231	20.9	201	20.0	109	18.9	12	18.5
Men Who Have Sex with Men and Inject Drugs	2	1.9	14	1.4	13	1.2	10	1.0	7	1.2	1	1.5
Heterosexual Contact	2	1.9	44	4.4	60	5.4	32	3.2	36	6.2	2	3.1
Blood Products	0	—	1	0.1	2	0.2	3	0.3	0	—	0	—
Undetermined	58	53.7	183	18.4	272	24.6	213	21.2	131	22.7	12	18.5
Females												
Injection Drug Users	1	0.9	119	12.0	108	9.8	74	7.3	34	5.9	6	9.2
Heterosexual Contact	9	8.3	120	12.1	109	9.9	49	4.9	64	11.1	10	15.4
Blood Products	0	—	3	0.3	1	0.1	2	0.2	2	0.3	0	—
Undetermined	6	5.6	140	14.1	173	15.6	76	7.5	56	9.7	9	13.8
Total	108	100.0	995	100.0	1,106	100.0	1,007	100.0	577	100.0	65	100.0

Figure 10-5.1

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Albany



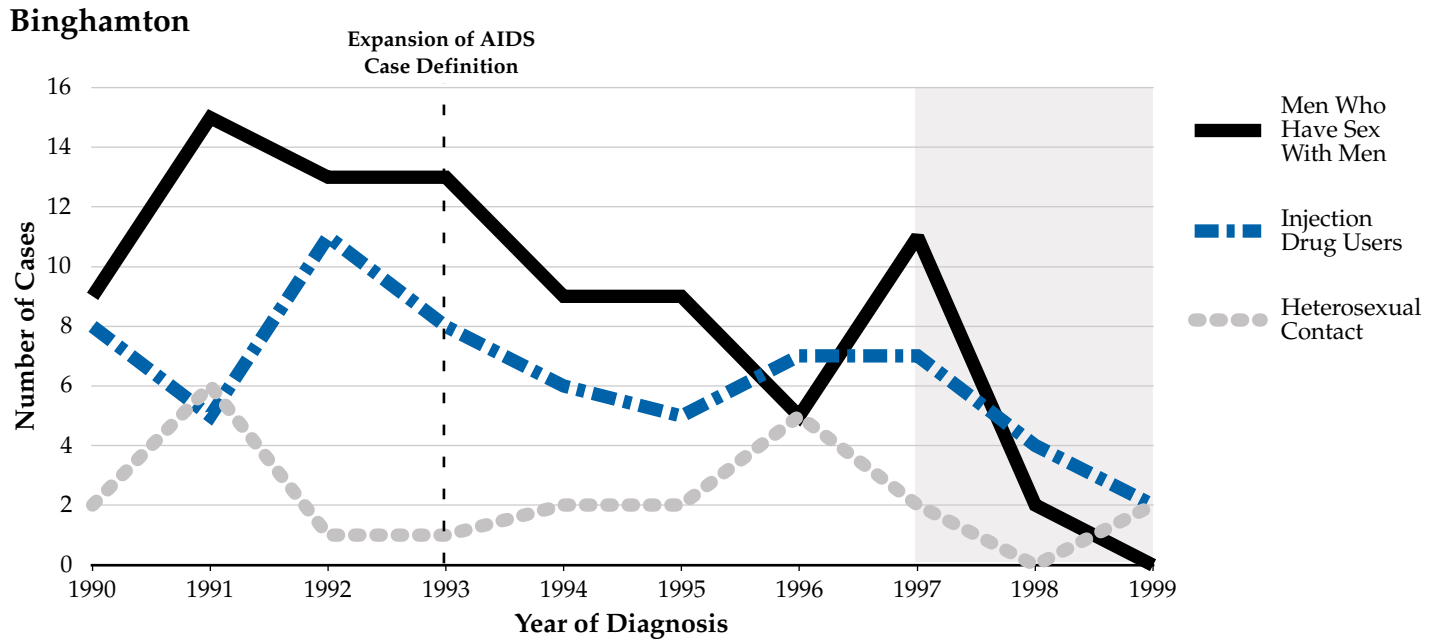
* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.2

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000



* Please note that vertical scales of graphs are not consistent across regions and exposure categories. Due to small case numbers, data on other HIV exposure categories are not presented.

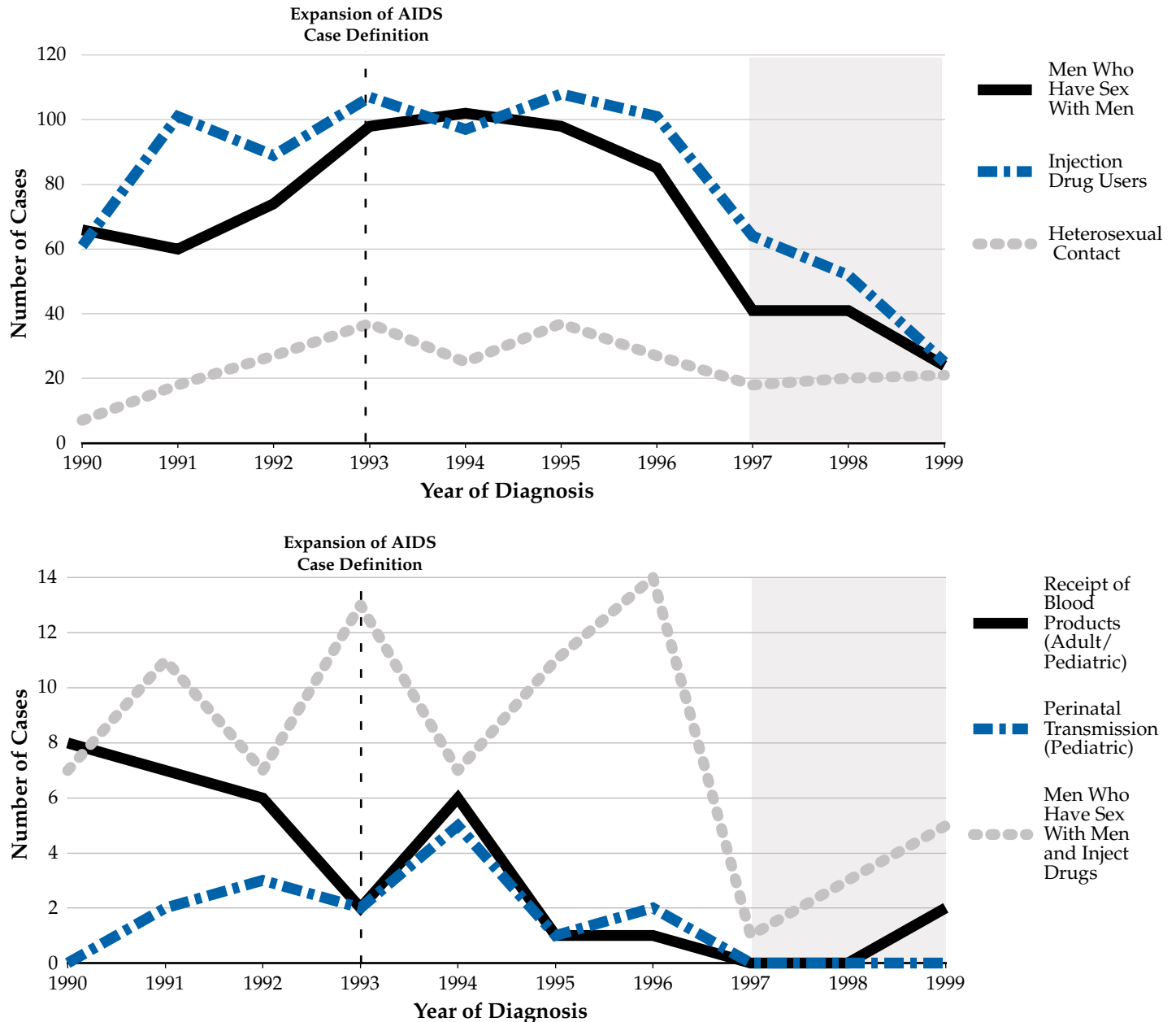
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.3

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Buffalo



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

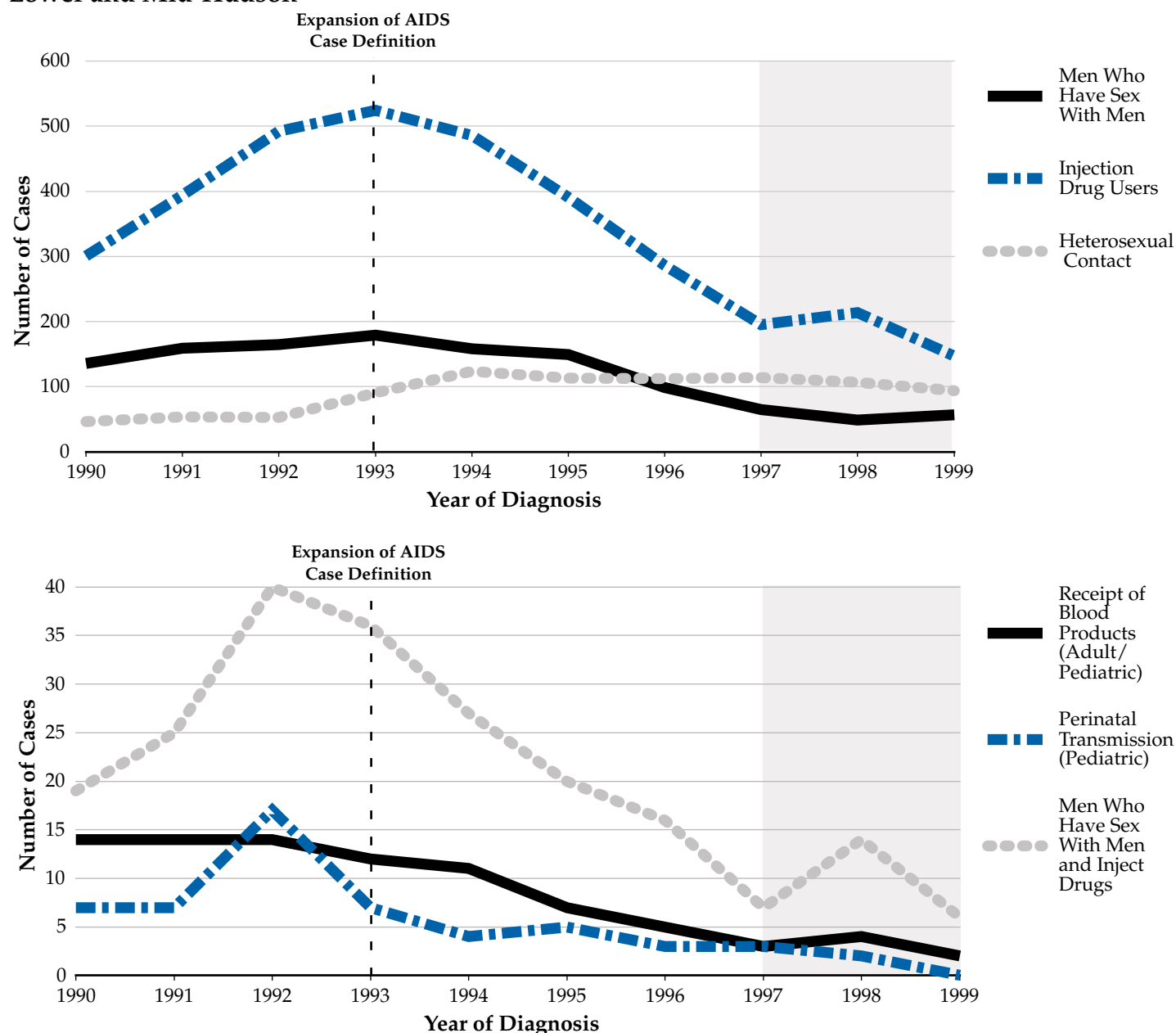
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.4

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Lower and Mid-Hudson



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

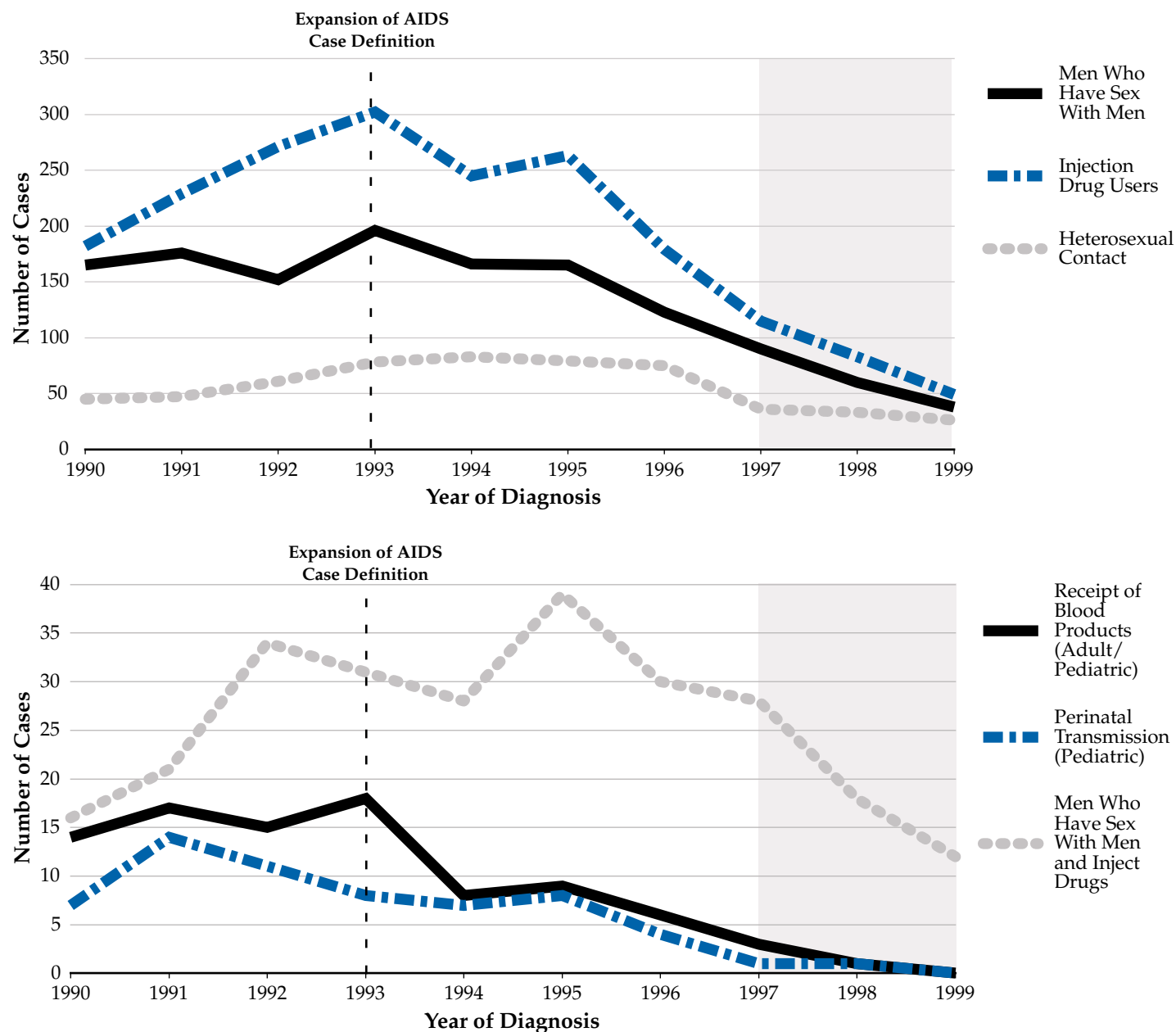
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.5

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Nassau/Suffolk



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

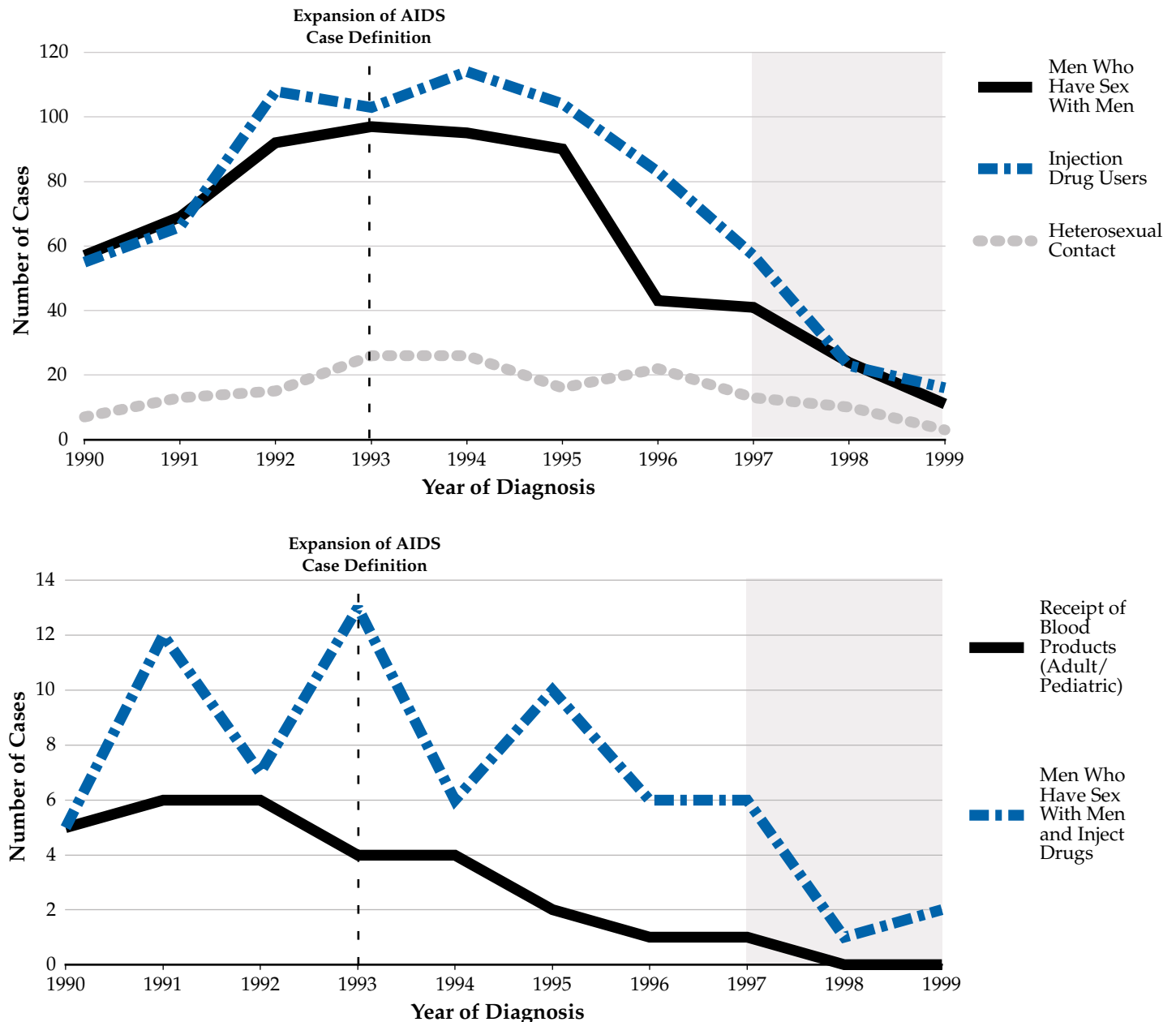
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.6

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Rochester



* Please note that vertical scales of graphs are not consistent across regions and exposure categories. Due to small case numbers, data on pediatric cases are not presented.

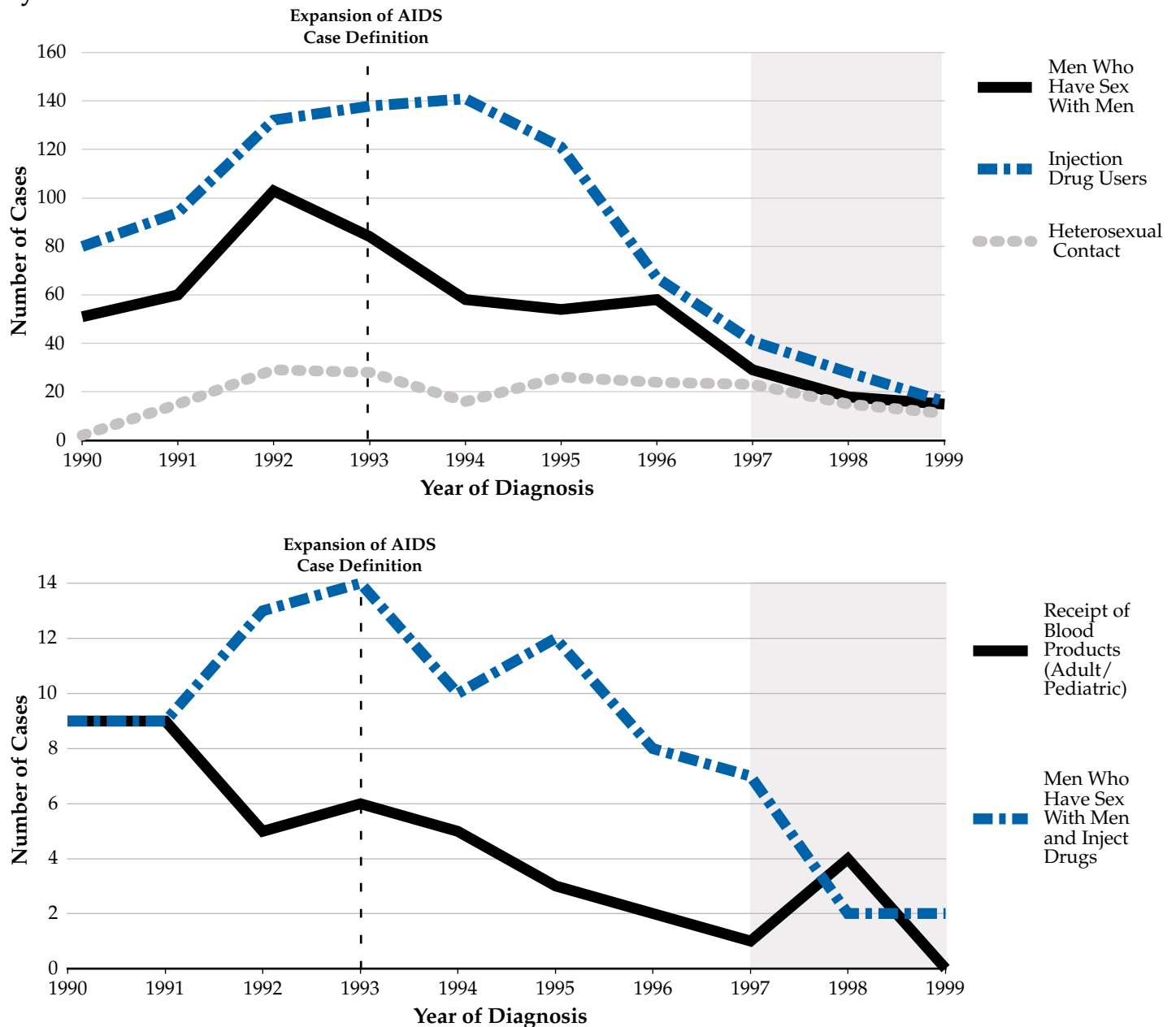
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.7

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

Syracuse



* Please note that vertical scales of graphs are not consistent across regions and exposure categories. Due to small case numbers, data on pediatric cases are not presented.

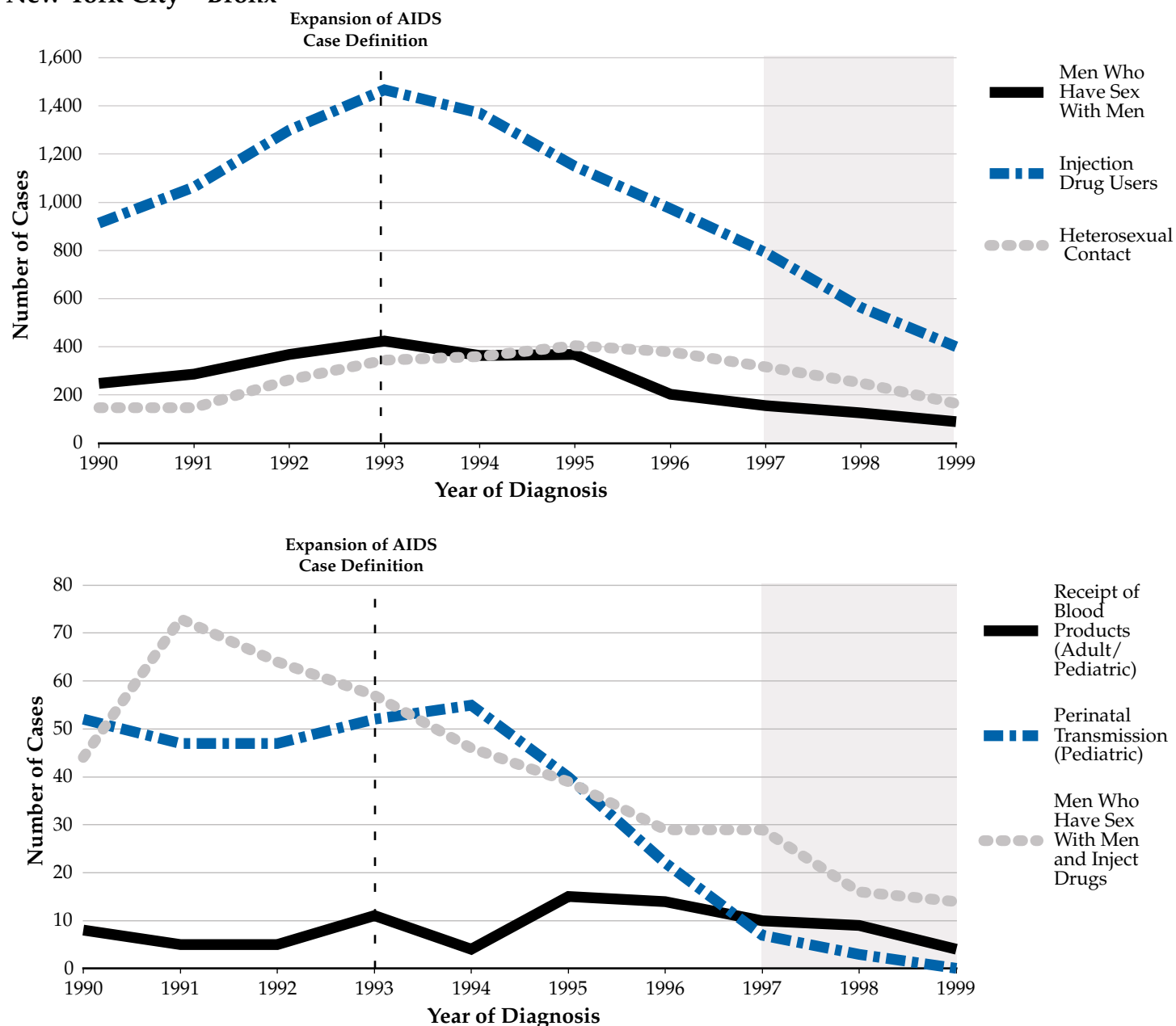
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.8

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York City – Bronx



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

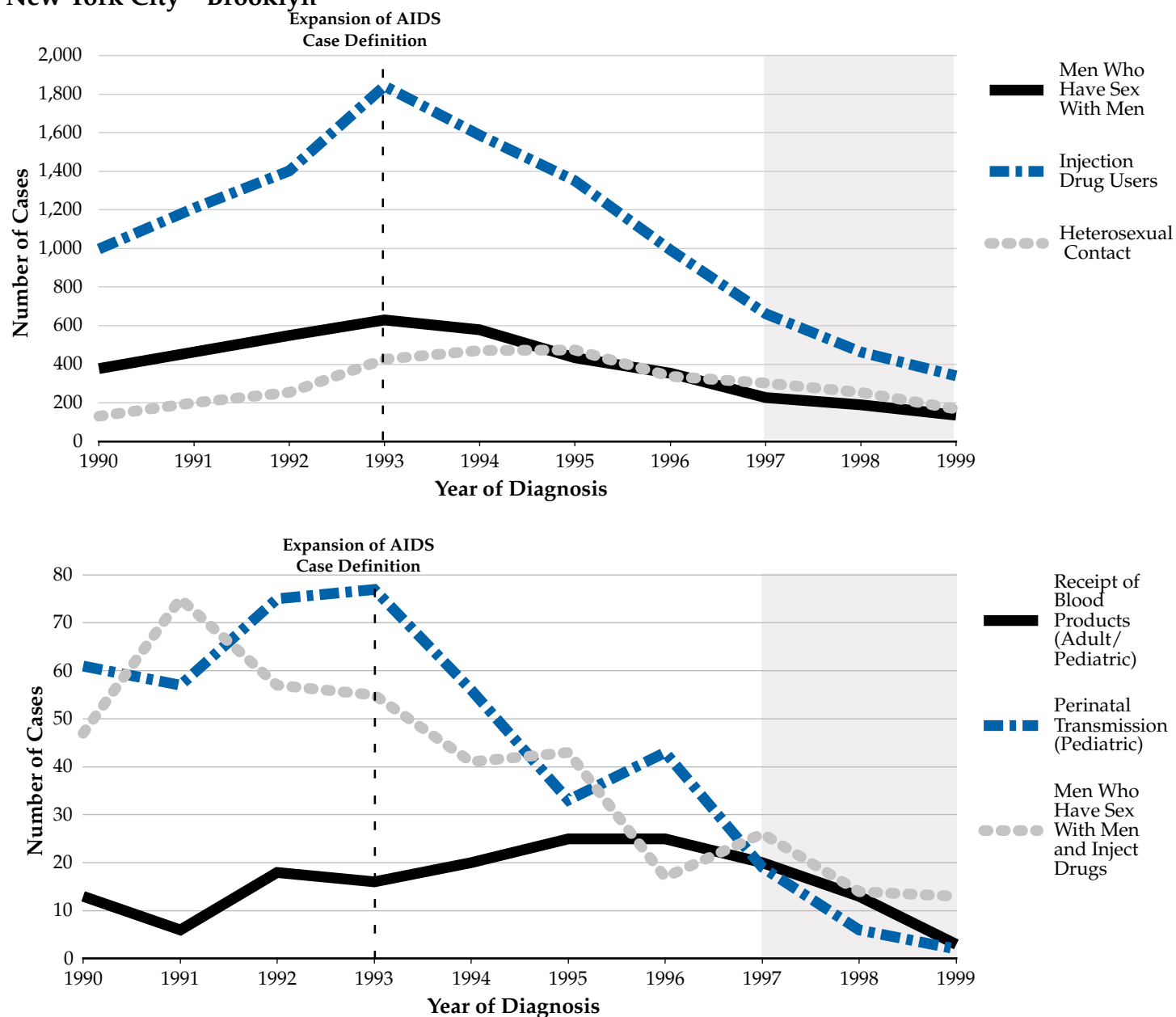
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.9

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York City – Brooklyn



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

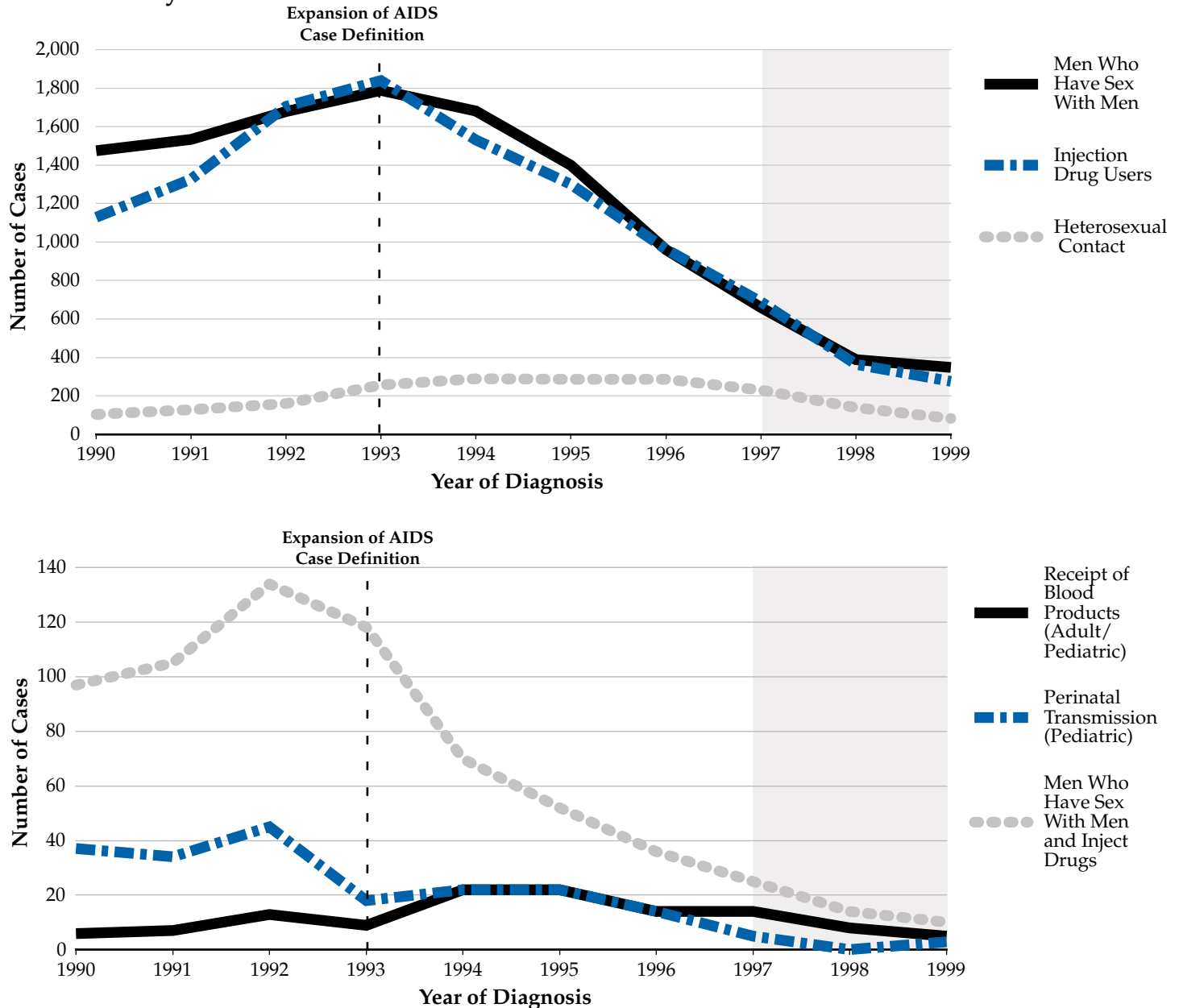
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.10

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York City – Manhattan



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

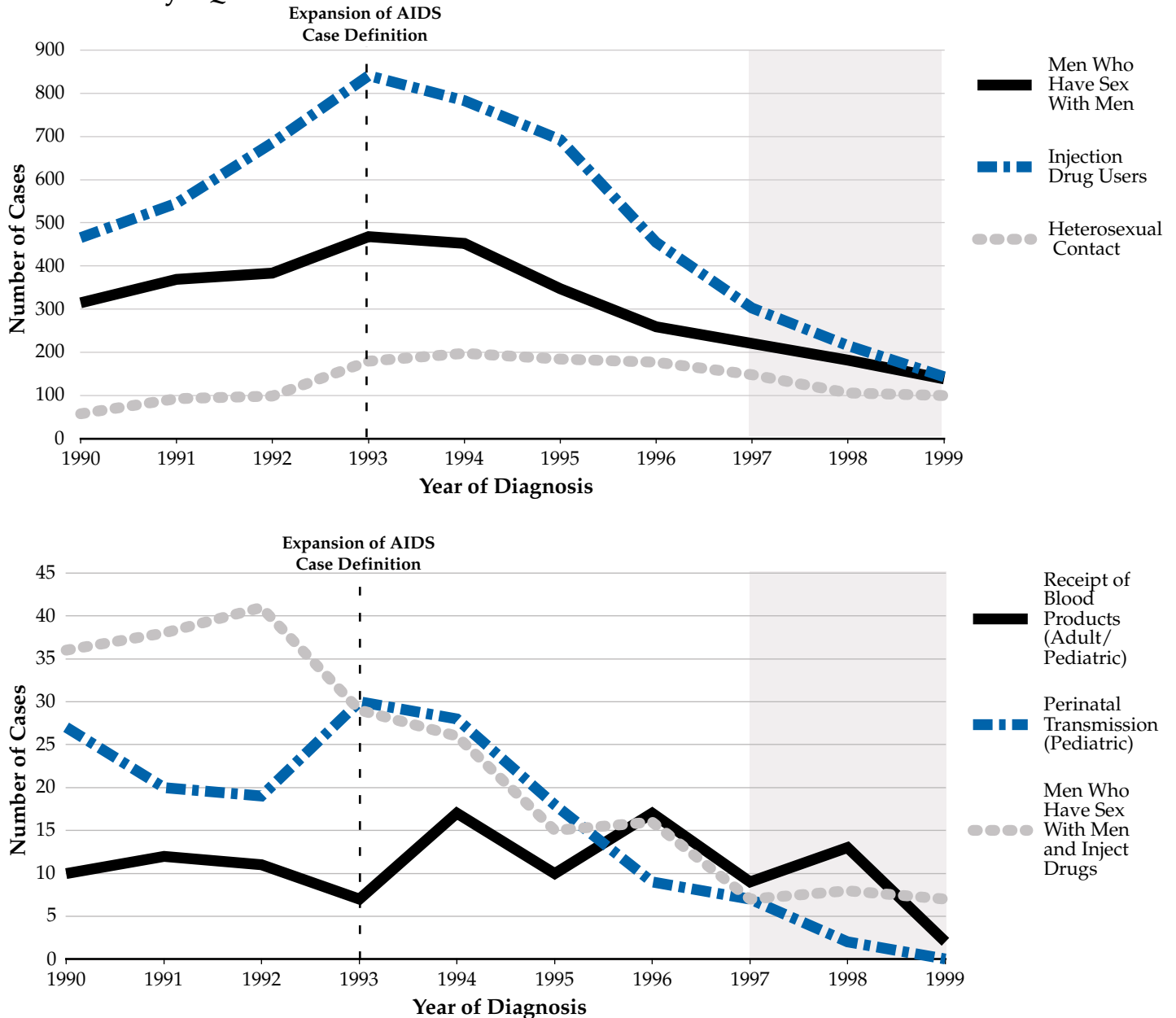
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.11

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York City – Queens



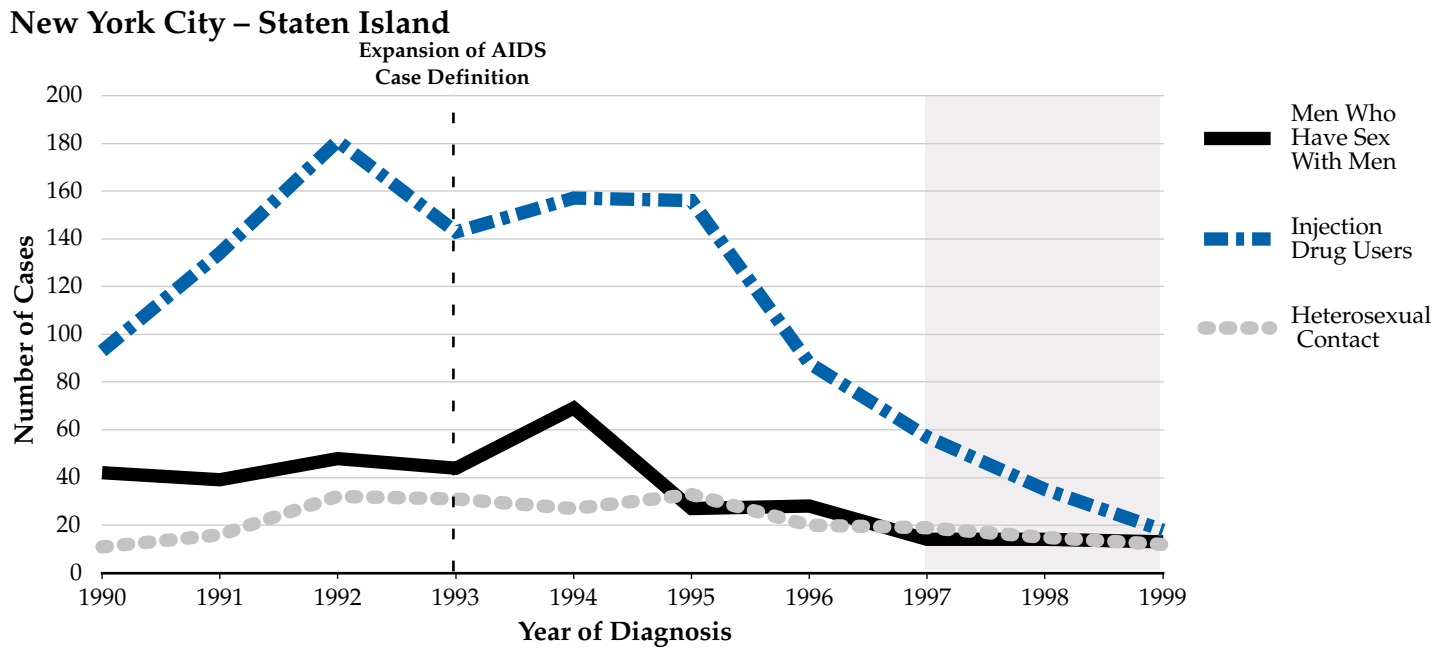
* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.12

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000



* Please note that vertical scales of graphs are not consistent across regions and exposure categories. Due to small case numbers, data on other HIV exposure categories are not presented.

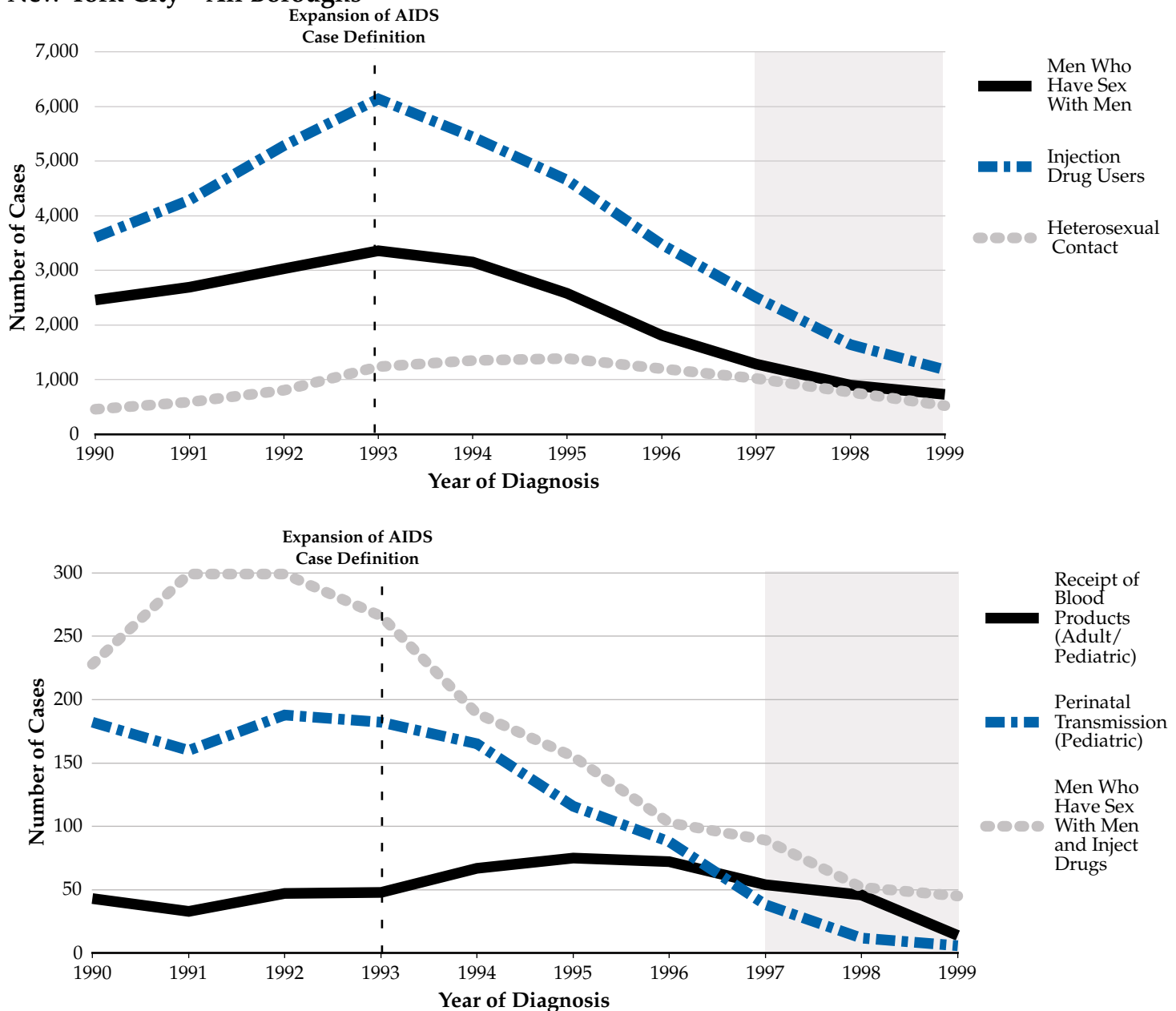
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.13

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York City – All Boroughs



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

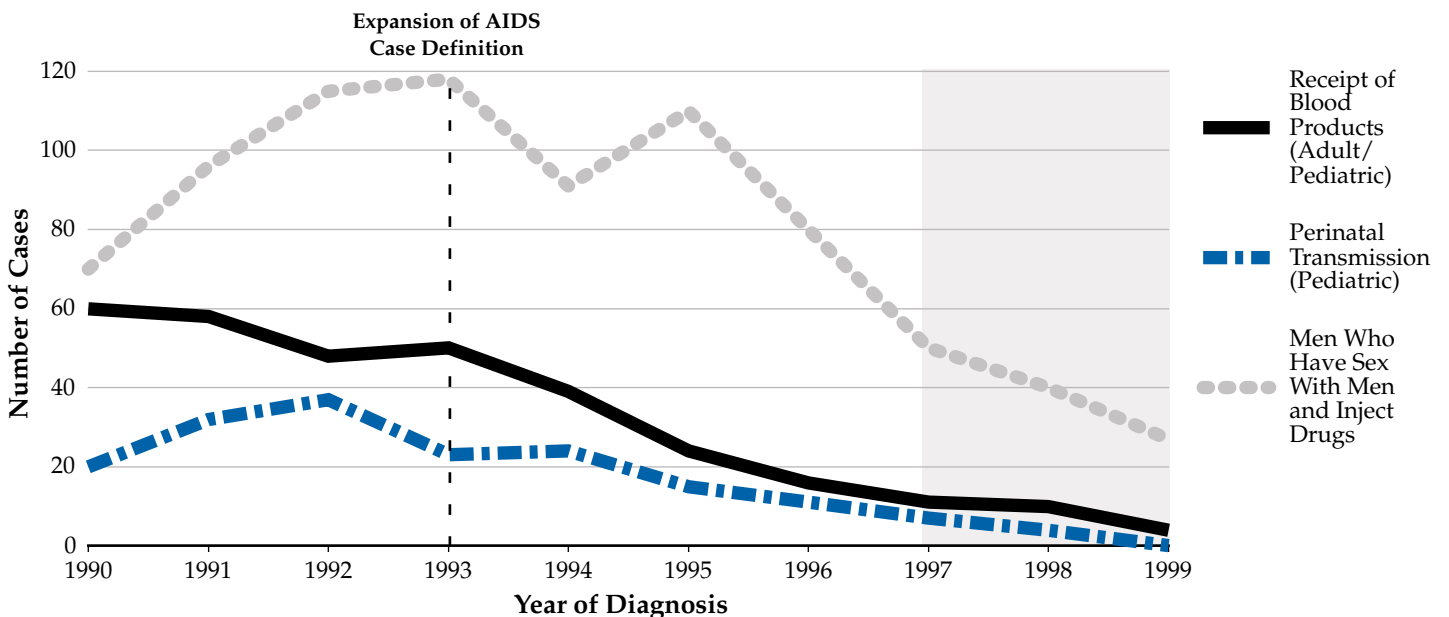
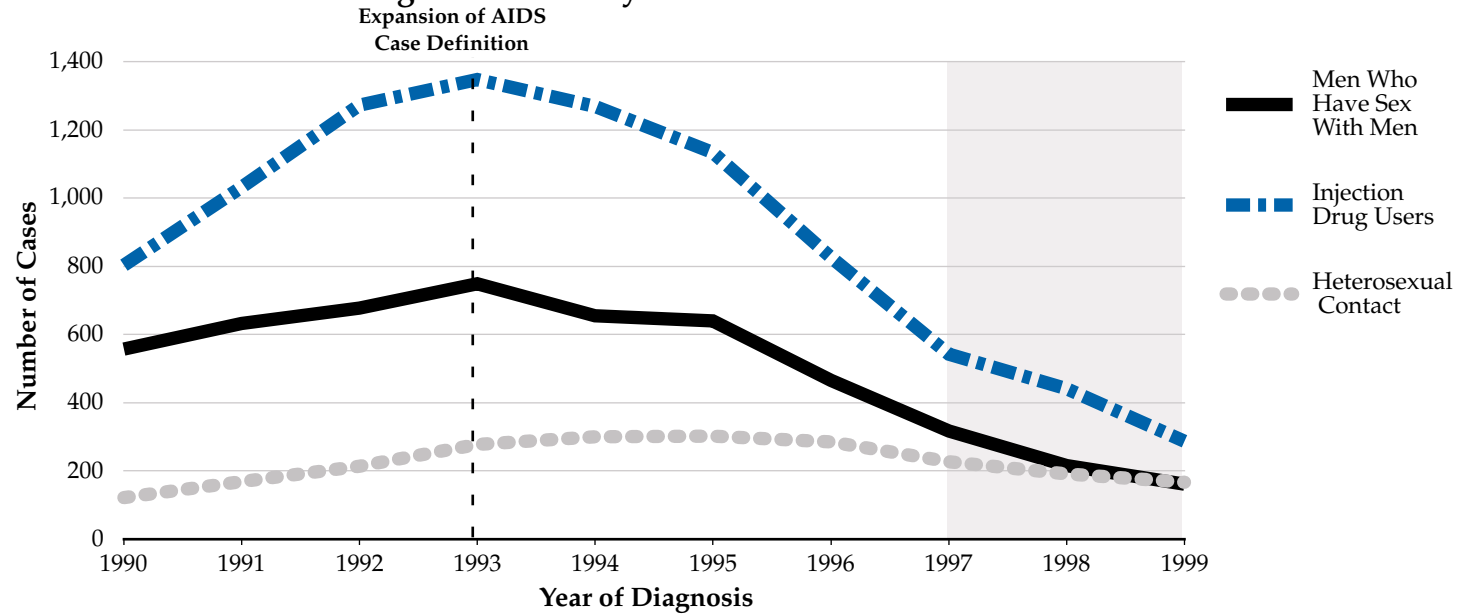
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-5.14

AIDS Cases by Exposure Category, Year of Diagnosis and Ryan White Region*

New York State, Cases Confirmed through March 2000

New York State – Excluding New York City



* Please note that vertical scales of graphs are not consistent across regions and exposure categories.

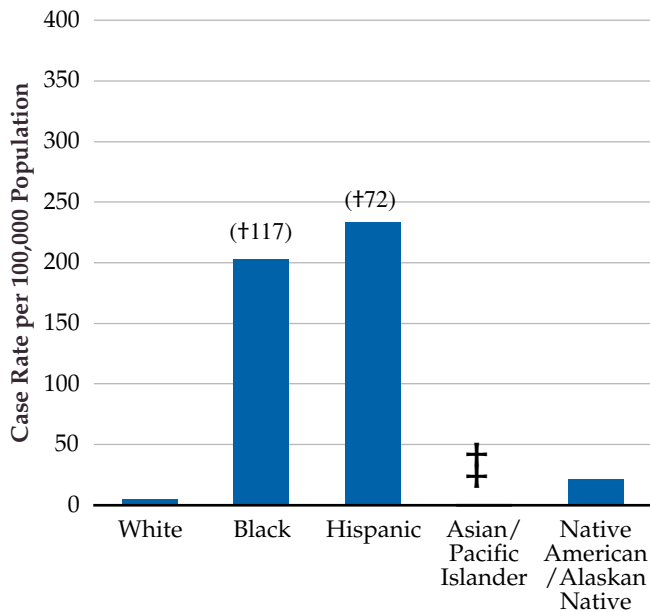
On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 10-6.1

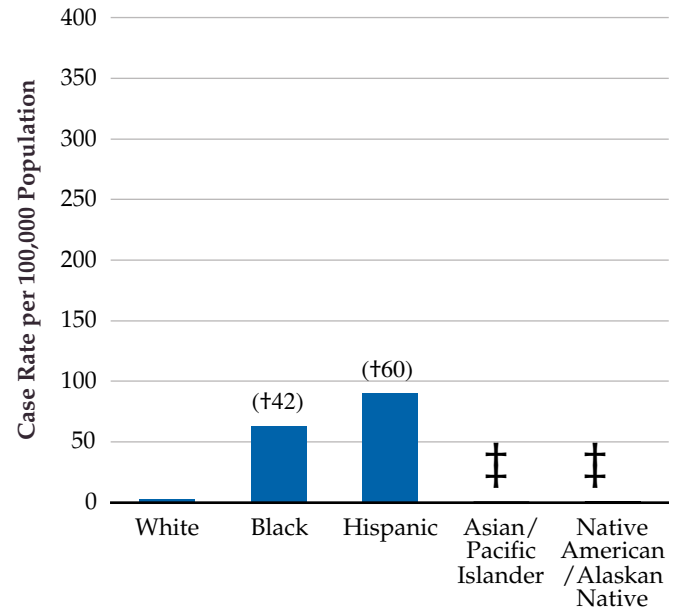
AIDS Cases Diagnosed in 1998 and 1999 per 100,000 Population by Race and Ryan White Region*

New York State, Cases Confirmed through March 2000

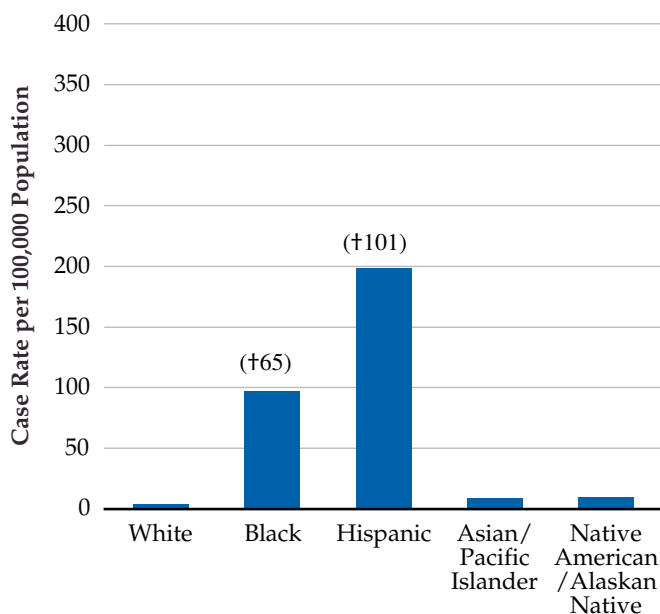
Albany



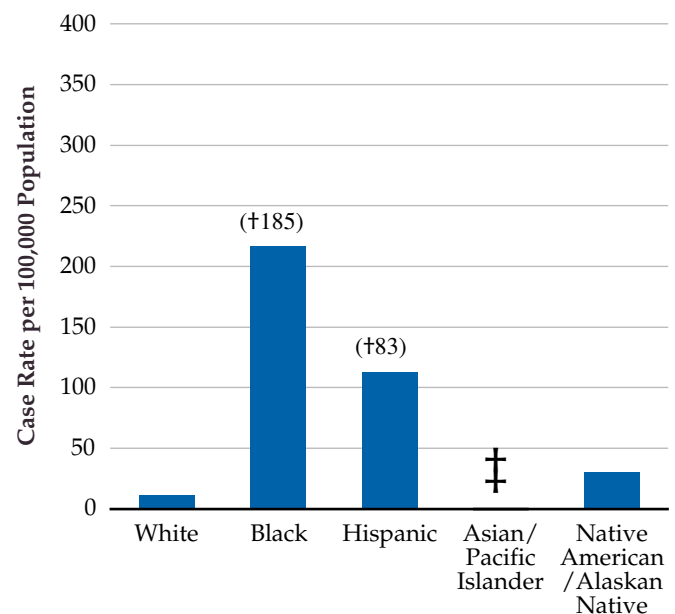
Binghamton



Buffalo



Lower and Mid-Hudson



* Based on 1990 U.S. Census data. AIDS case data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation

† Rate is elevated due to AIDS case diagnoses among state prison inmates housed in the region. (Number in parentheses indicates rate excluding inmate cases.)

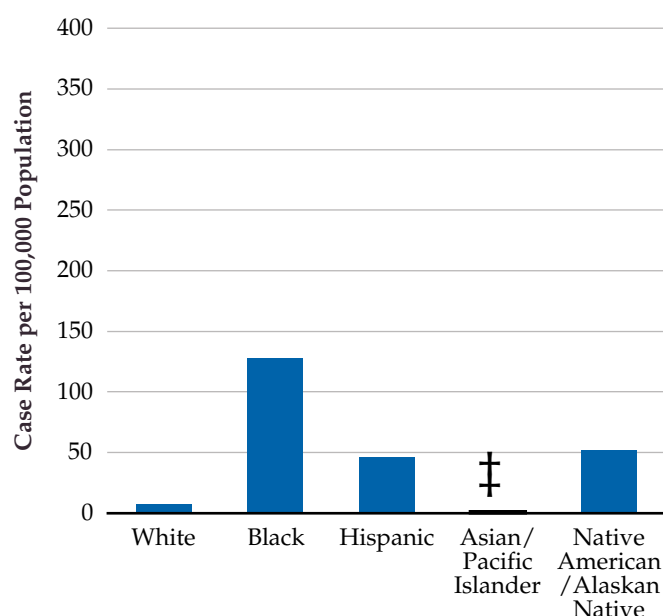
‡ No cases reported.

Figure 10-6.2

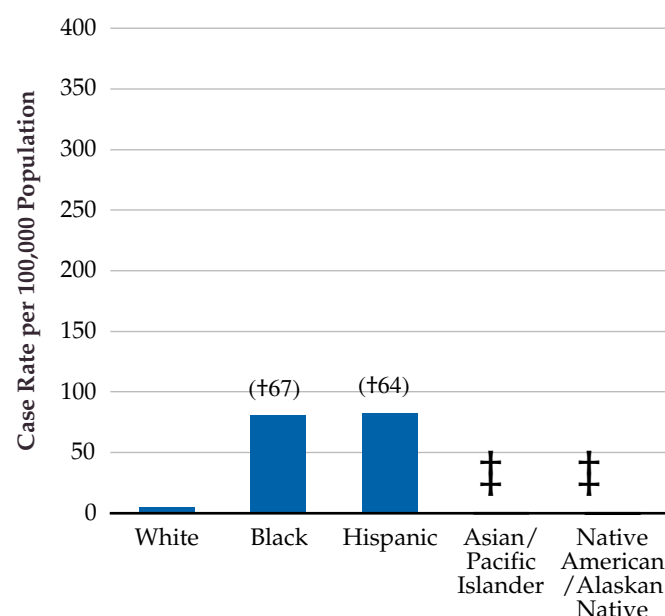
AIDS Cases Diagnosed in 1998 and 1999 per 100,000 Population by Race and Ryan White Region*

New York State, Cases Confirmed through March 2000

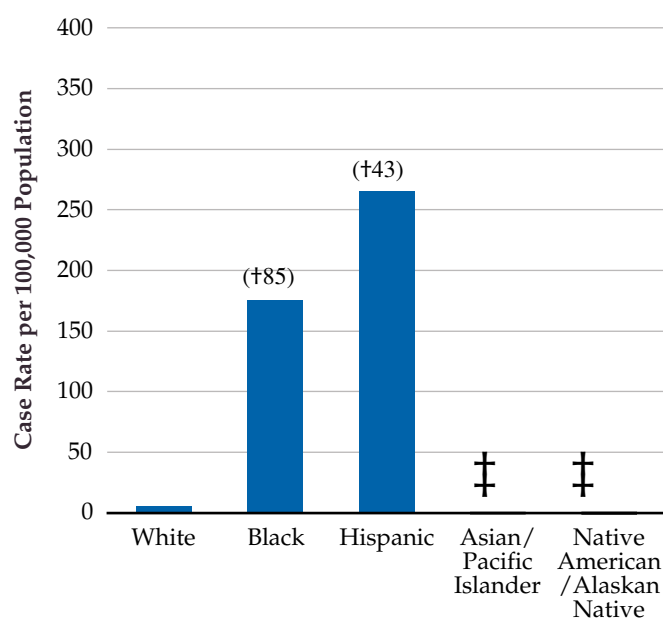
Nassau/Suffolk



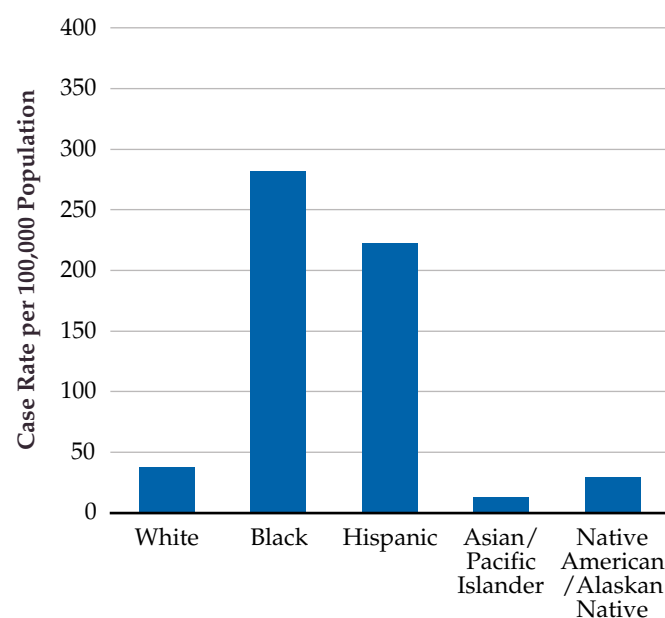
Rochester



Syracuse



Bronx



* Based on 1990 U.S. Census data. AIDS case data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation

† Rate is elevated due to AIDS case diagnoses among state prison inmates housed in the region. (Number in parentheses indicates rate excluding inmate cases.)

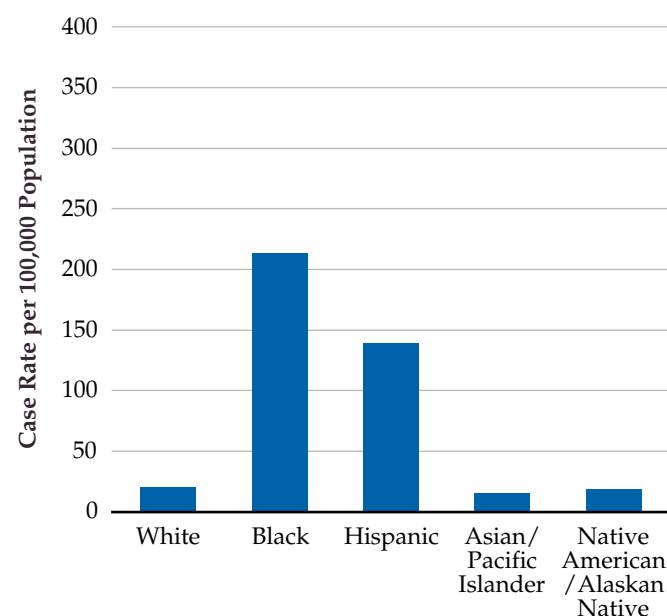
‡ No cases reported.

Figure 10-6.3

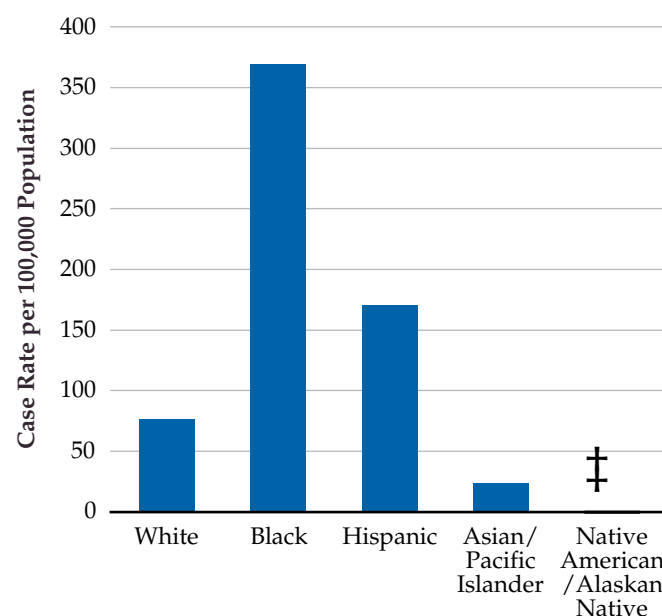
AIDS Cases Diagnosed in 1998 and 1999 per 100,000 Population by Race and Ryan White Region*

New York State, Cases Confirmed through March 2000

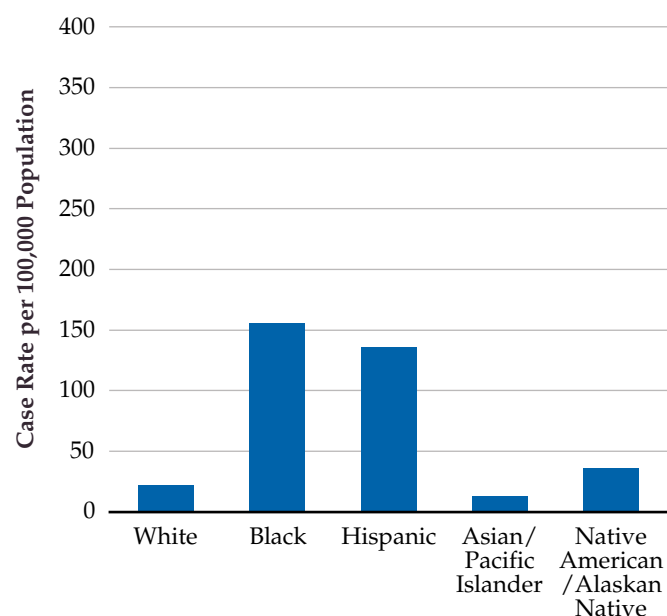
Brooklyn



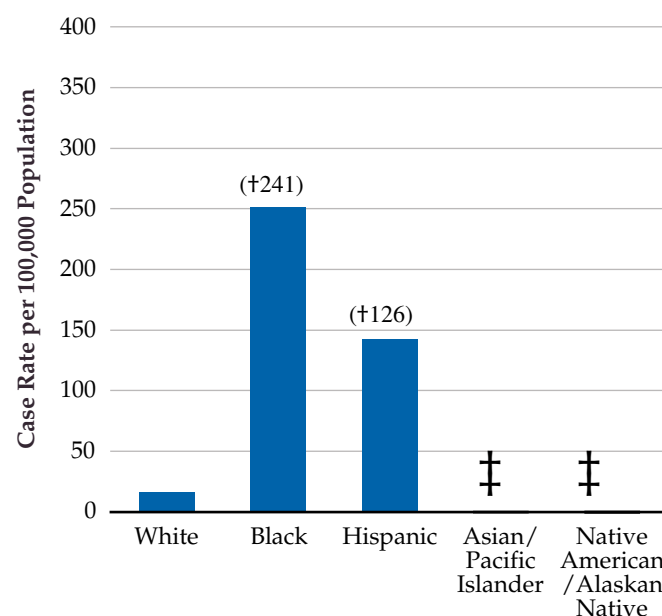
Manhattan



Queens



Staten Island



* Based on 1990 U.S. Census data. AIDS case data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation

† Rate is elevated due to AIDS case diagnoses among state prison inmates housed in the region. (Number in parentheses indicates rate excluding inmate cases.)

‡ No cases reported.

Figure 10-7

AIDS Cases Diagnosed 1996 - 1999 by Exposure Category, Year of Diagnosis and Ryan White Region

New York State, Cases Confirmed through March 2000

	Men Who Have Sex With Men [†]				Injection Drug Users [†]				Heterosexual Contact			
	1996	1997	1998*	1999*	1996	1997	1998*	1999*	1996	1997	1998*	1999*
New York City												
Bronx	202	156	126	89	973	790	564	401	379	316	251	164
Brooklyn	354	227	189	137	991	661	462	339	336	303	255	169
Manhattan	959	659	389	347	962	688	364	275	287	230	139	81
Queens	259	221	182	138	454	302	216	143	177	148	106	100
Staten Island	28	14	14	13	88	57	35	18	20	19	15	12
Borough Unknown	8	5	2	1	5	8	2	0	0	0	1	0
Rest of State												
Albany	52	40	21	16	103	63	36	29	20	21	6	10
Binghamton	5	11	2	0	7	7	4	2	5	2	0	2
Buffalo	85	41	41	24	101	64	52	25	27	18	20	21
Lower and Mid-Hudson	99	65	49	57	286	195	214	147	112	114	107	94
Nassau/Suffolk	123	90	60	38	179	115	83	49	75	36	33	26
Rochester	43	41	24	11	83	57	23	16	22	13	10	3
Syracuse	58	29	18	15	67	41	28	16	24	23	15	11
Total	2,275	1,599	1,117	886	4,299	3,048	2,084	1,463	1,484	1,243	958	693

* Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

† Excludes 486 men with the dual risk of male-to-male sex and injection drug use.

Figure 10-8

AIDS Cases Diagnosed 1996-1999 in New York State exclusive of New York City by Age at Diagnosis, Gender, Exposure Category, Race/Ethnicity and Region

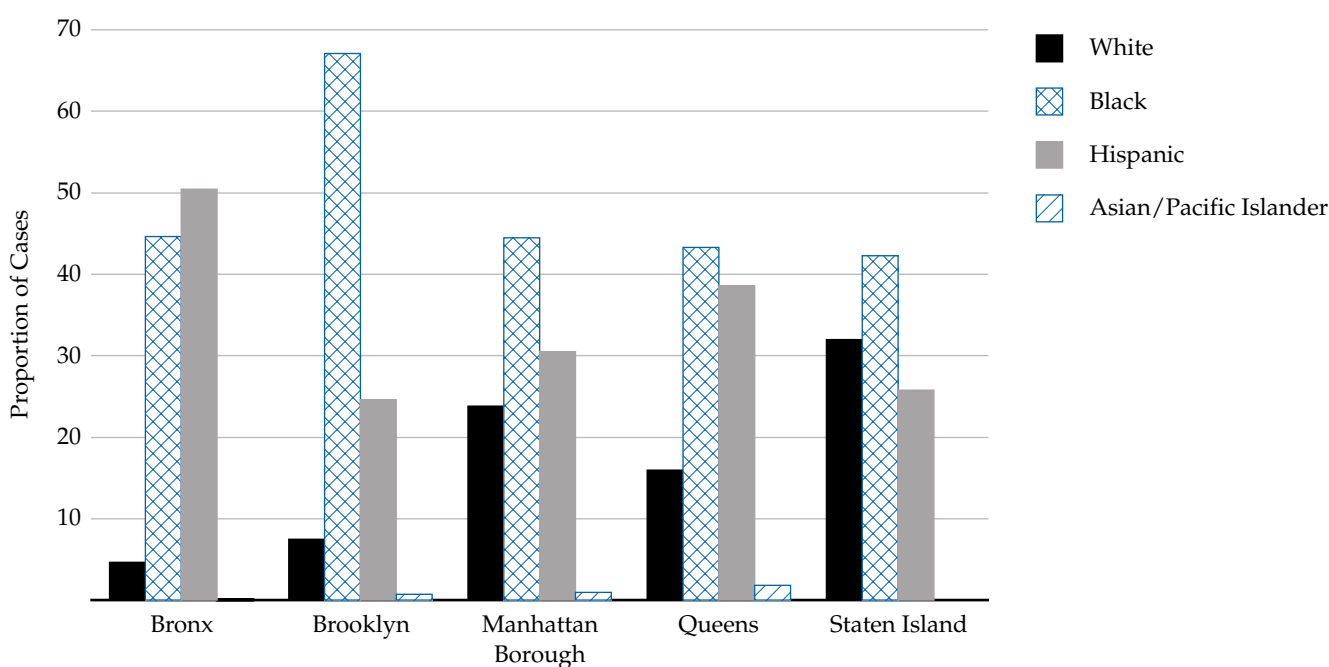
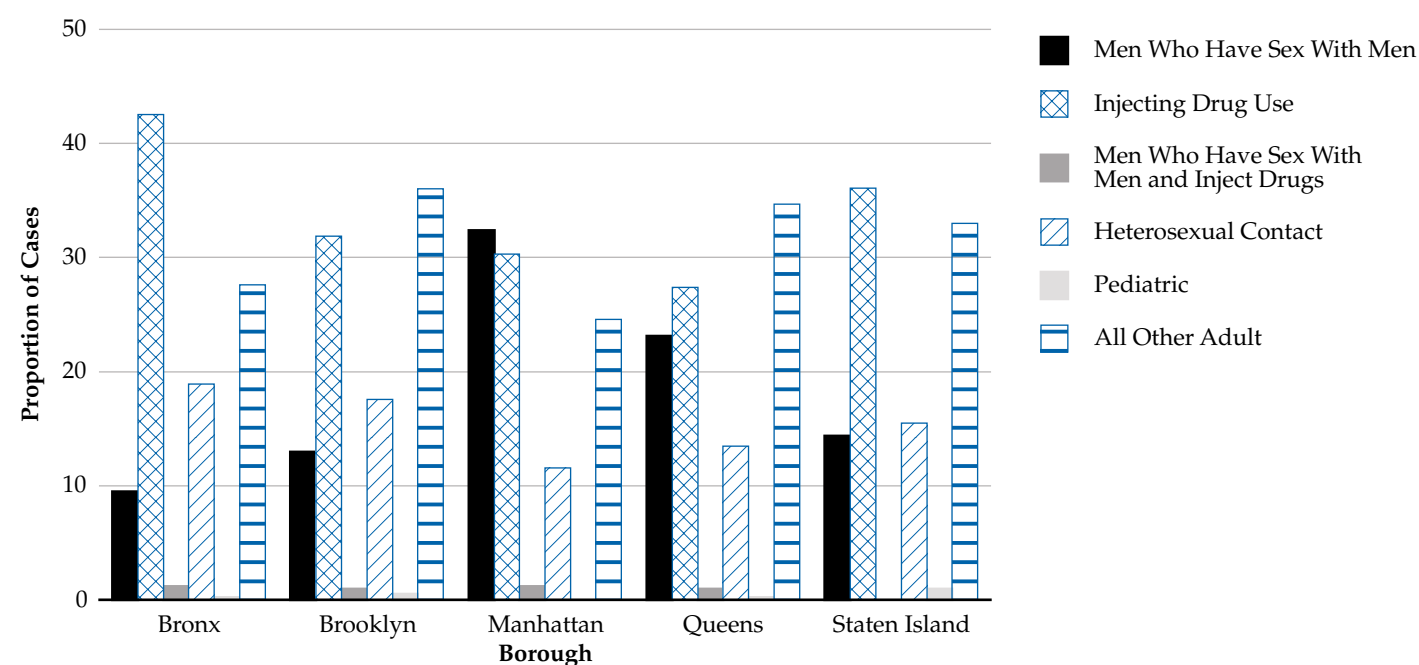
New York State, Cases Confirmed through March 2000

	New York City Vicinity		Upstate Urban		All Other Upstate	
	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis						
0-12	18	0.7	7	0.5	5	0.2
13-19	17	0.7	7	0.5	7	0.3
20-24	47	1.9	34	2.6	48	2.0
25-29	159	6.5	144	11.0	227	9.4
30-39	959	38.9	529	40.3	1,128	46.6
40-49	916	37.2	442	33.7	788	32.5
50-59	261	10.6	123	9.4	189	7.8
>59	86	3.5	26	2.0	31	1.3
Gender						
Males	1,714	69.6	903	68.8	2,005	82.7
Females	749	30.4	409	31.2	418	17.3
Exposure Category						
Men Who Have Sex With Men	497	20.2	353	26.9	308	12.7
Injection Drug Users	914	37.1	496	37.8	686	28.3
Men Who Have Sex With Men and Inject Drugs	113	4.6	50	3.8	34	1.4
Adult Blood Products	15	0.6	7	0.5	19	0.8
Heterosexual Contact	432	17.5	246	18.8	192	7.9
Adult Undetermined	474	19.2	153	11.7	1,179	48.7
All Pediatrics	18	0.7	7	0.5	5	0.2
Race/Ethnicity						
White	775	31.5	366	27.9	714	29.5
Black	1,261	51.2	700	53.4	936	38.6
Hispanic	404	16.4	236	18.0	762	31.4
Asian/Pacific Islander	10	0.4	2	0.2	1	<0.1
Native American/ Alaskan Native	7	0.3	1	0.1	3	0.1
Unknown	6	0.2	7	0.5	7	0.3
Total	2,463	100.0	1,312	100.0	2,423	100.0

Figure 10-9a

AIDS Cases Diagnosed in 1998 Among New York City Residents by Exposure Category, Race/Ethnicity* and Borough

New York City, Cases Confirmed through March 2000



* Four Native American/Alaskan Native New York City residents were diagnosed with AIDS in 1998.

Figure 10-9b

AIDS Cases Diagnosed in 1999 Among New York City Residents by Exposure Category, Race/Ethnicity* and Borough

New York City, Cases Confirmed through March 2000

Figure 10-9c

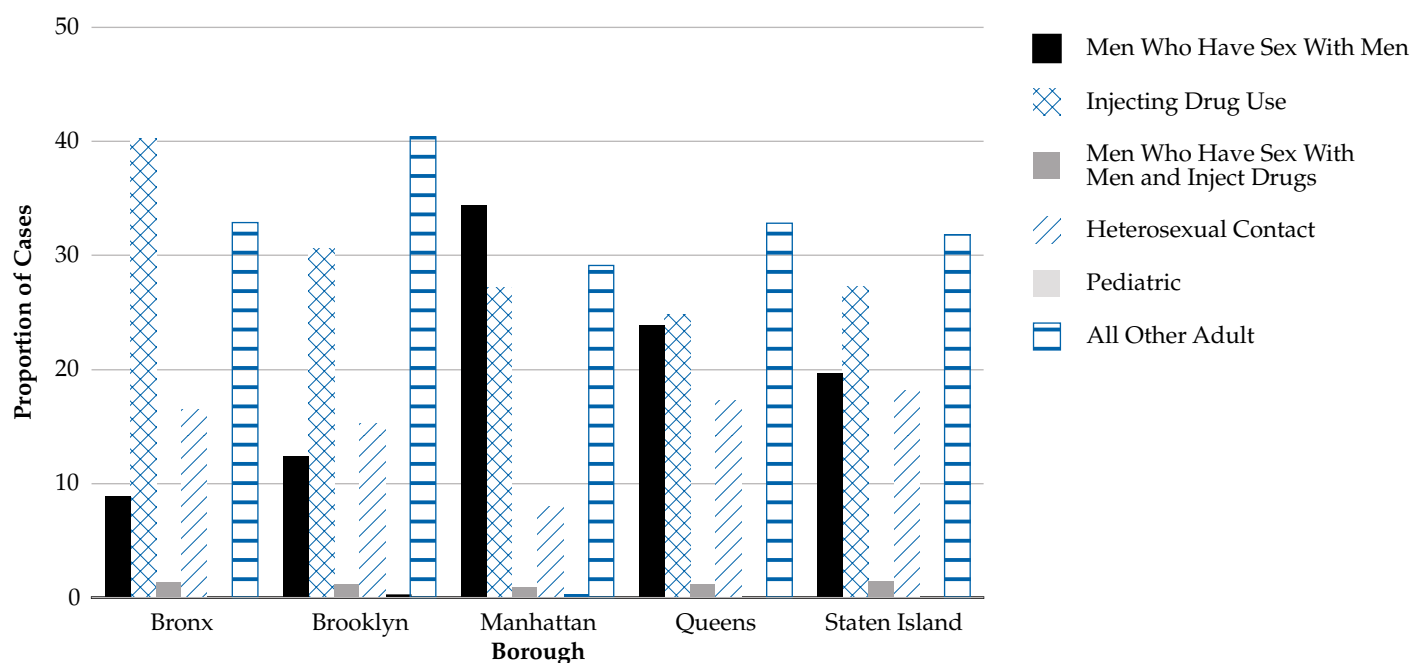
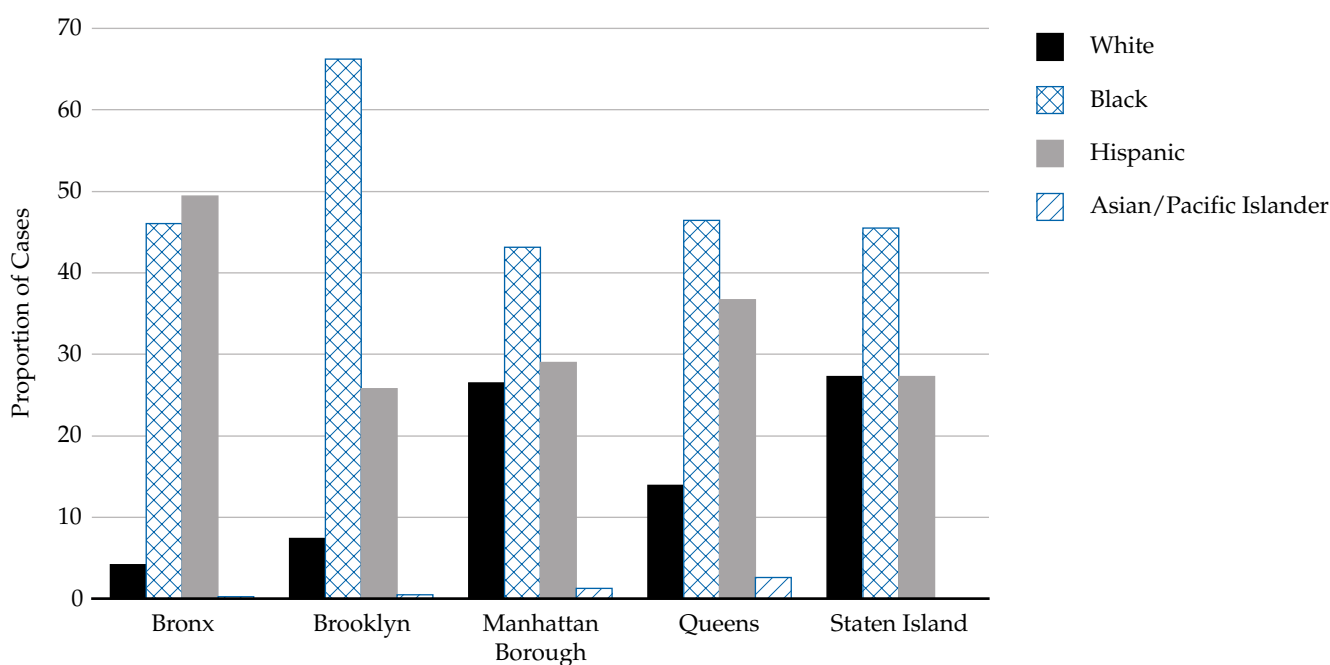


Figure 10-9d



* No Native American/Alaskan Native New York City resident was diagnosed with AIDS in 1999.

Figure 10-10a

Adult AIDS Cases Diagnosed in 1998 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and New York City Borough*

New York City, Cases Confirmed through March 2000

Characteristic	Bronx		Brooklyn		Manhattan		Queens		Staten Island	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis										
13-19	7	0.5	7	0.5	7	0.6	4	0.5	0	0.0
20-24	27	2.0	30	2.1	26	2.2	16	2.0	3	3.1
25-29	96	7.3	100	6.9	69	5.7	68	8.7	1	1.0
30-39	501	37.9	529	36.7	478	39.8	313	39.9	35	36.5
40-49	444	33.6	518	35.9	386	32.1	265	33.8	40	41.7
50-59	194	14.7	196	13.6	173	14.4	92	11.7	12	12.5
>59	54	4.1	62	4.3	62	5.2	27	3.4	5	5.2
Gender										
Male	841	63.6	909	63.0	918	76.4	588	74.9	66	68.8
Female	482	36.4	533	37.0	283	23.6	197	25.1	30	31.3
Race/Ethnicity										
White	62	4.7	109	7.6	286	23.8	126	16.1	30	31.3
Black	589	44.5	967	67.1	535	44.5	339	43.2	41	42.7
Hispanic	668	50.5	355	24.6	366	30.5	304	38.7	25	26.0
Asian/Pacific Islander	1	0.1	10	0.7	12	1.0	14	1.8	0	—
Native American/ Alaskan Native	1	0.1	1	0.1	0	—	2	0.3	0	—
Unknown	2	0.2	0	—	2	0.2	0	—	0	—
Exposure Category										
Males										
Men Who Have Sex with Men	126	9.5	189	13.1	389	32.4	182	23.2	14	14.6
Injection Drug Users	385	29.1	303	21.0	255	21.2	164	20.9	26	27.1
Men Who Have Sex with Men and Inject Drugs	16	1.2	14	1.0	14	1.2	8	1.0	0	—
Heterosexual Contact	87	6.6	84	5.8	55	4.6	39	5.0	6	6.3
Blood Products	5	0.4	7	0.5	5	0.4	6	0.8	1	1.0
Undetermined	222	16.8	312	21.6	200	16.7	189	24.1	19	19.8
Females										
Injection Drug Users	179	13.5	159	11.0	109	9.1	52	6.6	9	9.4
Heterosexual Contact	164	12.4	171	11.9	84	7.0	67	8.5	9	9.4
Blood Products	4	0.3	6	0.4	3	0.2	7	0.9	2	2.1
Undetermined	135	10.2	197	13.7	87	7.2	71	9.0	10	10.4
Total	1,323	100.0	1,442	100.0	1,201	100.0	785	100.0	96	100.0

* Excludes 6 cases for whom borough of residence is not known.

Figure 10-10b

Adult AIDS Cases Diagnosed in 1999 by Age at Diagnosis, Gender, Race/Ethnicity, Exposure Category and New York City Borough*

New York City, Cases Confirmed through March 2000

Characteristic	Bronx		Brooklyn		Manhattan		Queens		Staten Island	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Age at Diagnosis										
13-19	8	0.8	13	1.2	4	0.4	2	0.3	0	—
20-24	31	3.1	23	2.1	14	1.4	13	2.3	0	—
25-29	87	8.7	66	6.0	54	5.4	41	7.1	3	4.6
30-39	347	34.9	416	37.6	375	37.2	241	41.8	27	41.5
40-49	334	33.6	368	33.3	383	38.0	203	35.2	26	40.0
50-59	136	13.7	169	15.3	125	12.4	54	9.4	8	12.3
>59	52	5.2	51	4.6	52	5.2	23	4.0	1	1.5
Gender										
Male	613	61.6	715	64.6	806	80.0	421	73.0	40	61.5
Female	382	38.4	391	35.4	201	20.0	156	27.0	25	38.5
Race/Ethnicity										
White	42	4.2	82	7.4	268	26.6	80	13.9	18	27.7
Black	458	46.0	732	66.2	433	43.0	268	46.4	29	44.6
Hispanic	492	49.4	286	25.9	292	29.0	212	36.7	18	27.7
Asian/Pacific Islander	3	0.3	6	0.5	13	1.3	15	2.6	0	—
Unknown	0	—	0	—	1	0.1	2	0.3	0	—
Exposure Category										
Males										
Men Who Have										
Sex with Men	89	8.9	137	12.4	347	34.5	138	23.9	13	20.0
Injection Drug Users	282	28.3	231	20.9	201	20.0	109	18.9	12	18.5
Men Who Have										
Sex with Men										
and Inject Drugs	14	1.4	13	1.2	10	1.0	7	1.2	1	1.5
Heterosexual Contact	44	4.4	60	5.4	32	3.2	36	6.2	2	3.1
Blood Products	1	0.1	2	0.2	3	0.3	0	—	0	—
Undetermined	183	18.4	272	24.6	213	21.2	131	22.7	12	18.5
Females										
Injection Drug Users	119	12.0	108	9.8	74	7.3	34	5.9	6	9.2
Heterosexual Contact	120	12.1	109	9.9	49	4.9	64	11.1	10	15.4
Blood Products	3	0.3	1	0.1	2	0.2	2	0.3	0	—
Undetermined	140	14.1	173	15.6	76	7.5	56	9.7	9	13.8
Total	995	100.0	1,106	100.0	1,007	100.0	577	100.0	65	100.0

* Excludes 5 cases for whom borough of residence is not known.

Figure 10-11

Adults Living with AIDS, and AIDS Case Rates by United Hospital Fund Neighborhood System*

New York City, Cases Confirmed through March 2000

UHF Neighborhood	Adults Living With AIDS		UHF Neighborhood	Adults Living With AIDS	
	Number	Rate per 100,000 Adults†		Number	Rate per 100,000 Adults†
New York City Total	40,503	666			
Bronx Total	8,776	915	Brooklyn Total	10,553	568
Kingsbridge, Riverdale	222	284	Greenpoint	477	535
Northeast Bronx	485	389	Williamsburg, Brunswick	1,518	1,053
Fordham, Bronx Park	1,538	877	Downtown Heights,		
Pelham, Throgs Neck	1,216	556	Park Slope	1,411	773
Crotona, Tremont	1,841	1,393	Bedford Stuyvesant,		
High-Bridge, Morrisania	1,907	1,520	Crown Heights	2,449	1,011
Hunts Point, Mott Haven	1,265	1,207	East New York	960	786
			Sunset Park	343	430
Manhattan Total	14,208	1,094	Borough Park	440	195
Washington Heights,			East Flatbush, Flatbush	1,516	592
Inwood	1,401	678	Canarsie, Flatlands	334	237
Central Harlem,			Bensonhurst, Bay Bridge	227	149
Morningside Heights	1,807	1,524	Coney Island,		
East Harlem	1,372	1,684	Sheepshead Bay	504	225
Upper West Side	1,702	846			
Upper East Side	615	318	Queens Total	6,177	373
Chelsea, Clinton	2,411	2,070	Long Island City, Astoria	656	395
Gramercy Park,			West Queens	1,901	587
Murray Hill	1,050	919	Flushing, Clearview	325	162
Greenwich Village, Soho	1,042	1,426	Bayside, Littleneck	60	85
Union Square,			Ridgewood, Forest Hills	397	207
Lower East Side	1,736	1,022	Fresh Meadows	110	157
Lower Manhattan	162	685	Southwest Queens	544	297
			Jamaica	1,025	486
Staten Island Total	789	254	Southeast Queens	472	298
Port Richmond	166	401	Rockaway	296	366
Stapleton, St. George	358	440			
Willowbrook	67	105			
South Beach, Tottenville	144	116			

* A subdivision using zip code boundaries to reflect catchment areas of certain healthcare facilities. This system was updated in October 1998, resulting in changes to the following UHF-defined neighborhoods: Central Harlem, Washington Heights/Inwood, East Harlem, Bedford/Stuyvesant, East Flatbush, Borough Park, East New York, Canarsie/Flatlands. City and borough totals include data for known residents whose zip code was not reported. Zip code is missing, incomplete or not classified (within the UHF neighborhood system) for 4,678 (11%) of 43,150 adults currently living with AIDS in New York City. Of these 4,678 cases, 2,647 are New York City residents and 2,031 are residents of other localities.

† Based on 1990 U.S. Census data for persons age 13 and older.

Source: New York City Department of Health.

Figure 10-12

AIDS Cases Diagnosed 1996 - 1999 in New Jersey Counties Abutting New York City by Age at Diagnosis, Race/Ethnicity, Gender and Exposure Category

New Jersey, Cases Confirmed through May 2000

	Bergen County				Essex County				Hudson County				Union County			
	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999
Age at Diagnosis																
0-12	*	*	*	*	7	6	*	*	8	*	*	*	6	*	*	*
13-19	*	*	*	*	*	5	*	*	*	*	*	*	*	*	*	*
20-24	*	*	*	*	15	17	18	16	10	11	6	*	*	*	*	*
25-29	12	*	*	*	77	49	43	44	42	33	16	17	17	11	9	10
30-39	49	44	19	24	359	300	203	166	221	152	73	68	100	76	55	46
40-49	39	31	15	32	304	269	205	221	141	100	57	64	110	79	40	46
50-59	10	14	*	6	100	86	53	48	37	29	19	13	24	25	10	20
>60	*	6	*	*	29	34	27	21	8	13	9	8	9	6	6	*
Race/Ethnicity																
White	64	55	23	31	52	54	27	24	96	72	42	35	30	38	19	16
Black	30	31	14	23	744	631	478	427	211	154	81	91	195	131	84	91
Hispanic	14	15	7	12	96	80	44	57	160	117	56	47	43	29	20	20
Asian/ Pacific Islander	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Native American/ Alaskan Native	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gender																
Male	78	74	27	43	562	470	317	309	327	228	124	115	181	127	86	74
Female	34	28	17	24	333	296	234	201	143	116	58	59	89	72	39	56
Exposure Category																
Men Who Have Sex With Men	31	23	10	14	86	72	56	57	91	73	43	26	31	29	16	13
Injection Drug User†	26	31	15	17	368	301	197	166	173	101	57	52	119	81	41	35
Heterosexual Contact	24	22	10	7	171	144	120	103	83	66	21	36	50	40	24	28
Blood Products (Adult)	*	*	*	*	5	5	*	*	*	5	*	*	*	*	*	6
Pediatric	*	*	*	*	6	6	*	*	8	*	*	*	5	*	*	*
Others/Unknown	30	26	8	25	258	238	174	180	111	98	55	60	63	48	39	47
Total	112	102	44	67	895	766	551	510	470	344	182	174	270	199	125	130

* Indicates fewer than five cases.

† Includes persons reported with dual transmission risk of male-to-male sex and injection drug use.

Source: New Jersey Department of Health HIV/AIDS Surveillance

